

Circular Economy Ontology Network (CEON) - Electronics Module

Metadata

IRI

<http://w3id.org/CEON/demo/electronics/>

Title

Circular Economy Ontology Network (CEON) - Electronics Module

Publisher

Onto-DESIDE

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Version Iri

<http://w3id.org/CEON/demo/electronics/0.2/>

Version Info

0.2

Prior Version

0.1

Preferred Namespace Prefix

ceon-demo-electronics

Preferred Namespace Uri

<http://w3id.org/CEON/demo/electronics/>

Description

The Electronics module of CEON (Circular Economy Ontology Network).

Classes

Derived Unit ^c	
IRI	http://qudt.org/schema/qudt/DerivedUnit
Is Defined By	http://qudt.org/2.1/schema/qudt
Description	A DerivedUnit is a type specification for units that are derived from other units.
Sub Class Of	http://qudt.org/schema/qudt/Unit
Named Individuals	pascal second ⁿⁱ

Actinoids Metal^c

IRI <http://w3id.org/CEON/demo/electronics/ActinoidsMetal>

Sub Class Of [MetalMaterial^c](#)

Adhesive Material^c

IRI <http://w3id.org/CEON/demo/electronics/AdhesiveMaterial>

Sub Class Of <http://w3id.org/CEON/ontology/material/Material>

Alkali Metal^c

IRI <http://w3id.org/CEON/demo/electronics/AlkaliMetal>

Sub Class Of [MetalMaterial^c](#)

Alkaline Earth Metal^c

IRI <http://w3id.org/CEON/demo/electronics/AlkalineEarthMetal>

Sub Class Of [MetalMaterial^c](#)

Aluminum Dome Tweeter^c

IRI <http://w3id.org/CEON/demo/electronics/AluminumDomeTweeter>

Sub Class Of [ElectronicsProduct^c](#)

Bromide Material^c

IRI <http://w3id.org/CEON/demo/electronics/BromideMaterial>

Sub Class Of <http://w3id.org/CEON/ontology/material/Material>

Catalyst Composition^c

IRI <http://w3id.org/CEON/demo/electronics/CatalystComposition>

Sub Class Of <http://qudt.org/schema/qudt/Quantity>
<http://w3id.org/CEON/ontology/product/MatterComposition>

In Domain Of [hasCatalystCompositionValue^{op}](#)

Restriction [hasCatalystCompositionValue^{op}](#) only [CatalystComposition^c](#)

Catalyst Composition Value^C

IRI	http://w3id.org/CEON/demo/electronics/CatalystCompositionValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasCatalystCompositionValue ^{op}

Catalyst Material^C

IRI	http://w3id.org/CEON/demo/electronics/CatalystMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Chemical Element Composition^C

IRI	http://w3id.org/CEON/demo/electronics/ChemicalElementComposition
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/product/MatterComposition
In Domain Of	hasChemicalElementCompositionValue ^{op}
Restriction	hasChemicalElementCompositionValue ^{op} only ChemicalElementComposition ^C

Chemical Element Composition Value^C

IRI	http://w3id.org/CEON/demo/electronics/ChemicalElementCompositionValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasChemicalElementCompositionValue ^{op}
Restriction	http://qudt.org/schema/qudt/hasUnit ^{op} value ChemicalElementCompositionValue ^C

Conductivity^C

IRI	http://w3id.org/CEON/demo/electronics/Conductivity
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasConductivityValue ^{op}
In Range Of	hasConductivity ^{op}
Restriction	hasConductivityValue ^{op} only Conductivity ^C

Conductivity Value^C

IRI	http://w3id.org/CEON/demo/electronics/ConductivityValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasConductivityValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only ConductivityValue ^C

Core Material^C

IRI	http://w3id.org/CEON/demo/electronics/CoreMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Coupling Cone^C

IRI	http://w3id.org/CEON/demo/electronics/CouplingCone
Sub Class Of	ElectronicsProduct ^C

Damper^C

IRI	http://w3id.org/CEON/demo/electronics/Damper
Sub Class Of	ElectronicsProduct ^C
Named Individuals	damper_x ⁿⁱ

Density At25^C

IRI	http://w3id.org/CEON/demo/electronics/DensityAt25
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasDensityAt25Value ^{op}
In Range Of	hasDensityAt25 ^{op}
Restriction	hasDensityAt25Value ^{op} only DensityAt25 ^C

Density At25Value^C

IRI	http://w3id.org/CE0N/demo/electronics/DensityAt25Value
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasDensityAt25Value ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only DensityAt25Value ^C

Depth^C

IRI	http://w3id.org/CE0N/demo/electronics/Depth
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty
In Domain Of	hasDepthValue ^{op}
In Range Of	hasDepth ^{op}
Restriction	hasDepthValue ^{op} only Depth ^C

Depth Value^C

IRI	http://w3id.org/CE0N/demo/electronics/DepthValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasDepthValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only DepthValue ^C

Diameter^C

IRI	http://w3id.org/CE0N/demo/electronics/Diameter
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty
In Domain Of	hasDiameterValue ^{op}
In Range Of	hasDiameter ^{op}
Restriction	hasDiameterValue ^{op} only Diameter ^C

Diameter Value^C

IRI	http://w3id.org/CEON/demo/electronics/DiameterValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasDiameterValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only DiameterValue ^C

Double Magnet^C

IRI	http://w3id.org/CEON/demo/electronics/DoubleMagnet
Sub Class Of	ElectronicsProduct ^C
Super Class Of	Frame ^C

Electronics Product^C

IRI	http://w3id.org/CEON/demo/electronics/ElectronicsProduct
Sub Class Of	http://w3id.org/CEON/ontology/product/Product
Super Class Of	AluminumDomeTweeter ^C CouplingCone ^C Damper ^C DoubleMagnet ^C NeodymiumMagnet ^C Speaker ^C

Electronics Product Sourcing Component Relation^C

IRI	http://w3id.org/CEON/demo/electronics/ElectronicsProductSourcingComponentRelation
Sub Class Of	http://w3id.org/CEON/ontology/provenance/Statement ^C

Fastening Method^C

IRI	http://w3id.org/CEON/demo/electronics/FasteningMethod
Named Individuals	PressFitOrFriction ⁿⁱ

Fiber Elongation At Break^C

IRI	http://w3id.org/CEON/demo/electronics/FiberElongationAtBreak
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasFiberElongationAtBreakValue ^{op}
In Range Of	hasFiberElongationAtBreak ^{op}
Restriction	hasFiberElongationAtBreakValue ^{op} only FiberElongationAtBreak ^C

Fiber Elongation At Break Value^C

IRI	http://w3id.org/CEON/demo/electronics/FiberElongationAtBreakValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasFiberElongationAtBreakValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only FiberElongationAtBreakValue ^C

Fiber Volume Content^C

IRI	http://w3id.org/CEON/demo/electronics/FiberVolumeContent
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasFiberVolumeContentValue ^{op}
In Range Of	hasFiberVolumeContent ^{op}
Restriction	hasFiberVolumeContentValue ^{op} only FiberVolumeContent ^C

Fiber Volume Content Value^C

IRI	http://w3id.org/CEON/demo/electronics/FiberVolumeContentValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasFiberVolumeContentValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only FiberVolumeContentValue ^C

Fibre Material^C

IRI <http://w3id.org/CEON/demo/electronics/FibreMaterial>

Sub Class Of <http://w3id.org/CEON/ontology/material/Material>

Flame Retardant Material^C

IRI <http://w3id.org/CEON/demo/electronics/FlameRetardantMaterial>

Sub Class Of <http://w3id.org/CEON/ontology/material/Material>

Frame^C

IRI <http://w3id.org/CEON/demo/electronics/Frame>

Sub Class Of [DoubleMagnet^C](#)

Hardener Material^C

IRI <http://w3id.org/CEON/demo/electronics/HardenerMaterial>

Sub Class Of <http://w3id.org/CEON/ontology/material/Material>

Hazardous Material Percentage^C

IRI <http://w3id.org/CEON/demo/electronics/HazardousMaterialPercentage>

Sub Class Of <http://qudt.org/schema/qudt/QuantityValue>

In Range Of [hasHazardousMaterial^{Op}](#)

Restriction <http://qudt.org/schema/qudt/hasUnit^{Op} value> [HazardousMaterialPercentage^C](#)
<http://qudt.org/schema/qudt/numericValue only> [HazardousMaterialPercentage^C](#)

Lca Acidification^C

IRI <http://w3id.org/CEON/demo/electronics/LCAAcidification>

Sub Class Of [LCASValue^C](#)
<http://qudt.org/schema/qudt/hasUnit^{Op} only> [LCAUnit^C](#) and
<http://qudt.org/schema/qudt/hasUnit^{Op} some> [LCAUnit^C](#)

Restriction <http://qudt.org/schema/qudt/numericValue only> [LCAAcidification^C](#)

Lca Climate Change^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAClimateChange>

Sub Class Of

[LCValue^C](#)

<http://qudt.org/schema/qudt/hasUnit>^{op} some [LCAUnit^C](#) *and*

<http://qudt.org/schema/qudt/hasUnit>^{op} only [LCAUnit^C](#)

Restriction

<http://qudt.org/schema/qudt/numericValue> only [LCAClimateChange^C](#)

Lca Climate Change Biogenic^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAClimateChangeBiogenic>

Sub Class Of

[LCValue^C](#)

<http://qudt.org/schema/qudt/hasUnit>^{op} some [LCAUnit^C](#) *and*

<http://qudt.org/schema/qudt/hasUnit>^{op} only [LCAUnit^C](#)

Restriction

<http://qudt.org/schema/qudt/numericValue> only [LCAClimateChangeBiogenic^C](#)

Lca Climate Change Fossil^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAClimateChangeFossil>

Sub Class Of

[LCValue^C](#)

<http://qudt.org/schema/qudt/hasUnit>^{op} only [LCAUnit^C](#) *and*

<http://qudt.org/schema/qudt/hasUnit>^{op} some [LCAUnit^C](#)

Restriction

<http://qudt.org/schema/qudt/numericValue> only [LCAClimateChangeFossil^C](#)

Lca Ecotoxicity Fresh Water^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAEcotoxicityFreshWater>

Sub Class Of

[LCValue^C](#)

<http://qudt.org/schema/qudt/hasUnit>^{op} only [LCAUnit^C](#) *and*

<http://qudt.org/schema/qudt/hasUnit>^{op} some [LCAUnit^C](#)

Restriction

<http://qudt.org/schema/qudt/numericValue> only [LCAEcotoxicityFreshWater^C](#)

Lca Eutrophication Fresh Water^C

IRI	http://w3id.org/CE0N/demo/electronics/LCAEutrophicationFreshWater
Sub Class Of	LCValue^C http://qudt.org/schema/qudt/hasUnit ^{op} only LCAUnit^C <i>and</i> http://qudt.org/schema/qudt/hasUnit ^{op} some LCAUnit^C
Restriction	http://qudt.org/schema/qudt/numericValue only LCAEutrophicationFreshWater^C

Lca Eutrophication Marine^C

IRI	http://w3id.org/CE0N/demo/electronics/LCAEutrophicationMarine
Sub Class Of	LCValue^C http://qudt.org/schema/qudt/hasUnit ^{op} some LCAUnit^C <i>and</i> http://qudt.org/schema/qudt/hasUnit ^{op} only LCAUnit^C
Restriction	http://qudt.org/schema/qudt/numericValue only LCAEutrophicationMarine^C

Lca Human Toxicity Cancer^C

IRI	http://w3id.org/CE0N/demo/electronics/LCAHumanToxicityCancer
Sub Class Of	LCValue^C http://qudt.org/schema/qudt/hasUnit ^{op} only LCAUnit^C <i>and</i> http://qudt.org/schema/qudt/hasUnit ^{op} some LCAUnit^C
Restriction	http://qudt.org/schema/qudt/numericValue only LCAHumanToxicityCancer^C

Lca Lonising Radition Human Health^C

IRI	http://w3id.org/CE0N/demo/electronics/LCALonisingRaditionHumanHealth
Sub Class Of	LCValue^C http://qudt.org/schema/qudt/hasUnit ^{op} some LCAUnit^C <i>and</i> http://qudt.org/schema/qudt/hasUnit ^{op} only LCAUnit^C
Restriction	http://qudt.org/schema/qudt/numericValue only LCALonisingRaditionHumanHealth^C

Lca Mineral Use^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAMineralUse>

Sub Class Of [LCValue^C](#)
<http://qudt.org/schema/qudt/hasUnit>^{op} only [LCAUnit^C](#) *and*
<http://qudt.org/schema/qudt/hasUnit>^{op} some [LCAUnit^C](#)

Restriction <http://qudt.org/schema/qudt/numericValue> only [LCAMineralUse^C](#)

Lca Unit^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAUnit>

Sub Class Of <http://qudt.org/schema/qudt/Unit>

Lca Value^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAValue>

Sub Class Of <http://qudt.org/schema/qudt/QuantityValue>

In Range Of [hasLCValue^{op}](#)

Super Class Of [LCAAcidification^C](#)
[LCAClimateChange^C](#)
[LCAClimateChangeBiogenic^C](#)
[LCAClimateChangeFossil^C](#)
[LCAEcotoxicityFreshWater^C](#)
[LCAEutrophicationFreshWater^C](#)
[LCAEutrophicationMarine^C](#)
[LCAHumanToxicityCancer^C](#)
[LCAIonisingRaditionHumanHealth^C](#)
[LCAMineralUse^C](#)
[LCAWaterUse^C](#)

Lca Water Use^C

IRI <http://w3id.org/CE0N/demo/electronics/LCAWaterUse>

Sub Class Of [LCValue^C](#)
<http://qudt.org/schema/qudt/hasUnit>^{op} some [LCAUnit^C](#) *and*
<http://qudt.org/schema/qudt/hasUnit>^{op} only [LCAUnit^C](#)

Restriction <http://qudt.org/schema/qudt/numericValue> only [LCAWaterUse^C](#)

Laminate Material^C

IRI <http://w3id.org/CE0N/demo/electronics/LaminateMaterial>

Sub Class Of <http://w3id.org/CE0N/ontology/material/Material>

Length^c

IRI	http://w3id.org/CE0N/demo/electronics/Length
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty
In Range Of	hasLength ^{op}

Length Value^c

IRI	http://w3id.org/CE0N/demo/electronics/LengthValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^c and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^c
Restriction	http://qudt.org/schema/qudt/numericValue only LengthValue ^c

Life Span Time^c

IRI	http://w3id.org/CE0N/demo/electronics/LifeSpanTime
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty
In Domain Of	hasLifeSpanTimeValue ^{op}
In Range Of	hasLifeSpanTime ^{op}
Restriction	hasLifeSpanTimeValue ^{op} only LifeSpanTime ^c

Life Span Time Value^c

IRI	http://w3id.org/CE0N/demo/electronics/LifeSpanTimeValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasLifeSpanTimeValue ^{op}
Restriction	http://qudt.org/schema/qudt/hasUnit ^{op} value LifeSpanTimeValue ^c http://qudt.org/schema/qudt/numericValue only LifeSpanTimeValue ^c

Material Grade^c

IRI	http://w3id.org/CE0N/demo/electronics/MaterialGrade
Named Individuals	N35H ⁿⁱ

Matrix Additive Material^C

IRI	http://w3id.org/CEON/demo/electronics/MatrixAdditiveMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Maximum Energy Product^C

IRI	http://w3id.org/CEON/demo/electronics/MaximumEnergyProduct
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasMaximumEnergyProductValue ^{op}
In Range Of	hasMaximumEnergyProduct ^{op}
Restriction	hasMaximumEnergyProductValue ^{op} only MaximumEnergyProduct ^C

Maximum Energy Product Value^C

IRI	http://w3id.org/CEON/demo/electronics/MaximumEnergyProductValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasMaximumEnergyProductValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only MaximumEnergyProductValue ^C

Metal Composition^C

IRI	http://w3id.org/CEON/demo/electronics/MetalComposition
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/product/MatterComposition
In Domain Of	hasMetalCompositionValue ^{op}
Restriction	hasMetalCompositionValue ^{op} only MetalComposition ^C

Metal Composition Value^C

IRI	http://w3id.org/CEON/demo/electronics/MetalCompositionValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasMetalCompositionValue ^{op}

Metal Material^C

IRI <http://w3id.org/CEON/demo/electronics/MetalMaterial>

Sub Class Of <http://w3id.org/CEON/ontology/material/Material>

Super Class Of

- [ActinoidsMetal^C](#)
- [AlkaliMetal^C](#)
- [AlkalineEarthMetal^C](#)
- [TransitionalMetal^C](#)

Motor Speed Type^C

IRI <http://w3id.org/CEON/demo/electronics/MotorSpeedType>

Named Individuals [continuous_variable_speedⁿⁱ](#)

Motor Type^C

IRI <http://w3id.org/CEON/demo/electronics/MotorType>

Named Individuals [Inductionⁿⁱ](#)

Neodymium Magnet^C

IRI <http://w3id.org/CEON/demo/electronics/NeodymiumMagnet>

Sub Class Of [ElectronicsProduct^C](#)

Named Individuals [neodymium_magnet_xⁿⁱ](#)

Non Metal Material^C

IRI <http://w3id.org/CEON/demo/electronics/NonMetalMaterial>

Sub Class Of <http://w3id.org/CEON/ontology/material/Material>

Named Individuals

- [carbon_material_aⁿⁱ](#)
- [nitrogen_material_aⁿⁱ](#)

Operating Voltage^C

IRI <http://w3id.org/CEON/demo/electronics/OperatingVoltage>

Sub Class Of

- <http://qudt.org/schema/qudt/Quantity>
- <http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>

In Domain Of [hasOperatingVoltageValue^{op}](#)

In Range Of [hasOperatingVoltage^{op}](#)

Restriction [hasOperatingVoltageValue^{op}](#) only [OperatingVoltage^C](#)

Operating Voltage Value^c

IRI	http://w3id.org/CE0N/demo/electronics/OperatingVoltageValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^c and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^c
In Range Of	hasOperatingVoltageValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only OperatingVoltageValue ^c

Post Consumer Recycled Content^c

IRI	http://w3id.org/CE0N/demo/electronics/PostConsumerRecycledContent
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/product/ProductComposition
In Domain Of	hasPostConsumerRecycledContentValue ^{op}
Restriction	hasPostConsumerRecycledContentValue ^{op} only PostConsumerRecycledContent ^c

Post Consumer Recycled Content Value^c

IRI	http://w3id.org/CE0N/demo/electronics/PostConsumerRecycledContentValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasPostConsumerRecycledContentValue ^{op}
Restriction	http://qudt.org/schema/qudt/hasUnit ^{op} value PostConsumerRecycledContentValue ^c http://qudt.org/schema/qudt/numericValue only PostConsumerRecycledContentValue ^c

Post Customer Recycled Content^c

IRI	http://w3id.org/CE0N/demo/electronics/PostCustomerRecycledContent
Named Individuals	content_1 ⁿⁱ

Pre Consumer Recycled Content^c

IRI	http://w3id.org/CEON/demo/electronics/PreConsumerRecycledContent
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/product/ProductComposition
In Domain Of	hasPreConsumerRecycledContentValue ^{op}
Restriction	hasPreConsumerRecycledContentValue ^{op} only PreConsumerRecycledContent ^c

Pre Consumer Recycled Content Value^c

IRI	http://w3id.org/CEON/demo/electronics/PreConsumerRecycledContentValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasPreConsumerRecycledContentValue ^{op}
Restriction	http://qudt.org/schema/qudt/hasUnit ^{op} value PreConsumerRecycledContentValue ^c http://qudt.org/schema/qudt/numericValue only PreConsumerRecycledContentValue ^c

Prepreg Material^c

IRI	http://w3id.org/CEON/demo/electronics/PrepregMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Rare Earth Composition^c

IRI	http://w3id.org/CEON/demo/electronics/RareEarthComposition
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/product/MatterComposition
In Domain Of	hasRareEarthCompositionValue ^{op}
Restriction	hasRareEarthCompositionValue ^{op} only RareEarthComposition ^c

Rare Earth Composition Value^c

IRI	http://w3id.org/CEON/demo/electronics/RareEarthCompositionValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasRareEarthCompositionValue ^{op}

Rare Earth Material^c

IRI	http://w3id.org/CEON/demo/electronics/RareEarthMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Rated Load Amps^c

IRI	http://w3id.org/CEON/demo/electronics/RatedLoadAmps
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasRatedLoadAmpsValue ^{op}
In Range Of	hasRatedLoadAmps ^{op}
Restriction	hasRatedLoadAmpsValue ^{op} only RatedLoadAmps ^c

Rated Load Amps Value^c

IRI	http://w3id.org/CEON/demo/electronics/RatedLoadAmpsValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^c and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^c
In Range Of	hasRatedLoadAmpsValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only RatedLoadAmpsValue ^c

Rated Power Output^c

IRI	http://w3id.org/CEON/demo/electronics/RatedPowerOutput
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasRatedPowerOutputValue ^{op}
In Range Of	hasRatedPowerOutput ^{op}
Restriction	hasRatedPowerOutputValue ^{op} only RatedPowerOutput ^c

Rated Power Output Value^C

IRI	http://w3id.org/CEON/demo/electronics/RatedPowerOutputValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasRatedPowerOutputValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only RatedPowerOutputValue ^C

Rated Rpm^C

IRI	http://w3id.org/CEON/demo/electronics/RatedRPM
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasRatedRPMValue ^{op}
In Range Of	hasRatedRPM ^{op}
Restriction	hasRatedRPMValue ^{op} only RatedRPM ^C

Rated Rpm Value^C

IRI	http://w3id.org/CEON/demo/electronics/RatedRPMValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasRatedRPMValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only RatedRPMValue ^C

Recycling Pressure^C

IRI	http://w3id.org/CEON/demo/electronics/RecyclingPressure
Sub Class Of	http://qudt.org/schema/qudt/Quantity
Restriction	hasRecyclingPressureValue ^{op} only RecyclingPressure ^C

Recycling Pressure Value^C

IRI	http://w3id.org/CE0N/demo/electronics/RecyclingPressureValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasRecyclingPressureValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only RecyclingPressureValue ^C

Recycling Process Duration^C

IRI	http://w3id.org/CE0N/demo/electronics/RecyclingProcessDuration
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasRecyclingProcessDuration ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only RecyclingProcessDuration ^C

Recycling Temperature Value^C

IRI	http://w3id.org/CE0N/demo/electronics/RecyclingTemperatureValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasRecyclingProcessTemperature ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only RecyclingTemperatureValue ^C

Refractive Index At25^C

IRI	http://w3id.org/CE0N/demo/electronics/RefractiveIndexAt25
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty
In Range Of	hasRefractiveIndexAt25 ^{op}
Restriction	hasRefractiveIndexAt25 ^{op} only RefractiveIndexAt25 ^C

Refractive Index At25Value^C

IRI	http://w3id.org/CEON/demo/electronics/RefractiveIndexAt25Value
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
Restriction	http://qudt.org/schema/qudt/numericValue only RefractiveIndexAt25Value ^C

Remanent Magnetic Flux Density^C

IRI	http://w3id.org/CEON/demo/electronics/RemanentMagneticFluxDensity
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasRemanentMagneticFluxDensityValue ^{op}
In Range Of	hasRemanentMagneticFluxDensity ^{op}
Restriction	hasRemanentMagneticFluxDensityValue ^{op} only RemanentMagneticFluxDensity ^C

Remanent Magnetic Flux Density Value^C

IRI	http://w3id.org/CEON/demo/electronics/RemanentMagneticFluxDensityValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasRemanentMagneticFluxDensityValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only RemanentMagneticFluxDensityValue ^C

Renewable Content^C

IRI	http://w3id.org/CEON/demo/electronics/RenewableContent
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/product/ProductComposition
In Domain Of	hasRenewableContentValue ^{op}
Restriction	hasRenewableContentValue ^{op} only RenewableContent ^C

Renewable Content Value^c

IRI	http://w3id.org/CEON/demo/electronics/RenewableContentValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasRenewableContentValue ^{op}
Restriction	http://qudt.org/schema/qudt/hasUnit ^{op} value RenewableContentValue ^c http://qudt.org/schema/qudt/numericValue only RenewableContentValue ^c

Resin Material^c

IRI	http://w3id.org/CEON/demo/electronics/ResinMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Resistivity^c

IRI	http://w3id.org/CEON/demo/electronics/Resistivity
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasResistivityValue ^{op}
Restriction	hasResistivityValue ^{op} only Resistivity ^c

Resistivity Value^c

IRI	http://w3id.org/CEON/demo/electronics/ResistivityValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue
In Range Of	hasResistivityValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only ResistivityValue ^c

Shape^c

IRI	http://w3id.org/CEON/demo/electronics/Shape
Sub Class Of	http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Range Of	hasShape ^{op}
Named Individuals	cylinder ⁿⁱ

Shear Strength^C

IRI	http://w3id.org/CEON/demo/electronics/ShearStrength
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasShearStrengthValue ^{op}
In Range Of	hasShearStrength ^{op}
Restriction	hasShearStrengthValue ^{op} only ShearStrength ^C

Shear Strength Value^C

IRI	http://w3id.org/CEON/demo/electronics/ShearStrengthValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasShearStrengthValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only ShearStrengthValue ^C

Speaker^C

IRI	http://w3id.org/CEON/demo/electronics/Speaker
Sub Class Of	ElectronicsProduct ^C
Named Individuals	speaker_x ^{hi}

Stiffness^C

IRI	http://w3id.org/CEON/demo/electronics/Stiffness
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasStiffnessValue ^{op}
In Range Of	hasStiffness ^{op}
Restriction	hasStiffnessValue ^{op} only Stiffness ^C

Stiffness Value^C

IRI	http://w3id.org/CEON/demo/electronics/StiffnessValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasStiffnessValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only StiffnessValue ^C

Surface Finish Material^C

IRI	http://w3id.org/CEON/demo/electronics/SurfaceFinishMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Tensile Modulus^C

IRI	http://w3id.org/CEON/demo/electronics/TensileModulus
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasTensileModulusValue ^{op}
In Range Of	hasTensileModulus ^{op}
Restriction	hasTensileModulusValue ^{op} only TensileModulus ^C

Tensile Modulus Value^C

IRI	http://w3id.org/CEON/demo/electronics/TensileModulusValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasTensileModulusValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only TensileModulusValue ^C

Tensile Strength^C

IRI	http://w3id.org/CEON/demo/electronics/TensileStrength
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasTensileStrengthValue ^{op}
In Range Of	hasTensileStrength ^{op}
Restriction	hasTensileStrengthValue ^{op} only TensileStrength ^C

Tensile Strength Value^C

IRI	http://w3id.org/CEON/demo/electronics/TensileStrengthValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasTensileStrengthValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only TensileStrengthValue ^C

Transition Temperature^C

IRI	http://w3id.org/CEON/demo/electronics/TransitionTemperature
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CEON/ontology/resourceODP/ResourceProperty
In Domain Of	hasTransitionTemperatureValue ^{op}
In Range Of	hasTransitionTemperature ^{op}
Restriction	hasTransitionTemperatureValue ^{op} only TransitionTemperature ^C

Transition Temperature Value^C

IRI	http://w3id.org/CEON/demo/electronics/TransitionTemperatureValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasTransitionTemperatureValue ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only TransitionTemperatureValue ^C

Transitional Metal^C

IRI <http://w3id.org/CE0N/demo/electronics/TransitionalMetal>

Sub Class Of [MetalMaterial^C](#)

Unknown Acute Toxicity Percentage^C

IRI <http://w3id.org/CE0N/demo/electronics/UnknownAcuteToxicityPercentage>

Sub Class Of <http://qudt.org/schema/qudt/QuantityValue>

In Range Of [hasUnknownAcuteToxicity^{op}](#)

Restriction <http://qudt.org/schema/qudt/hasUnit^{op}> value [UnknownAcuteToxicityPercentage^C](#)
<http://qudt.org/schema/qudt/numericValue> only [UnknownAcuteToxicityPercentage^C](#)

Virgin Fossil Content^C

IRI <http://w3id.org/CE0N/demo/electronics/VirginFossilContent>

In Domain Of [hasVirginFossilContentValue^{op}](#)

Virgin Fossil Content Value^C

IRI <http://w3id.org/CE0N/demo/electronics/VirginFossilContentValue>

Sub Class Of <http://qudt.org/schema/qudt/QuantityValue>

In Range Of [hasVirginFossilContentValue^{op}](#)

Restriction <http://qudt.org/schema/qudt/hasUnit^{op}> value [VirginFossilContentValue^C](#)
<http://qudt.org/schema/qudt/numericValue> only [VirginFossilContentValue^C](#)

Virgin Fossil Content^C

IRI <http://w3id.org/CE0N/demo/electronics/VirginFossilContent>

Sub Class Of <http://qudt.org/schema/qudt/Quantity>
<http://w3id.org/CE0N/ontology/product/ProductComposition>

Restriction [hasVirginFossilContentValue^{op}](#) only [VirginFossilContent^C](#)

Viscosity At25^C

IRI	http://w3id.org/CE0N/demo/electronics/ViscosityAt25
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty
In Domain Of	hasViscosityAt25Value ^{op}
In Range Of	hasViscosityAt25 ^{op}
Restriction	hasViscosityAt25Value ^{op} only ViscosityAt25 ^C

Viscosity At25Value^C

IRI	http://w3id.org/CE0N/demo/electronics/ViscosityAt25Value
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C
In Range Of	hasViscosityAt25Value ^{op}
Restriction	http://qudt.org/schema/qudt/numericValue only ViscosityAt25Value ^C

Width^C

IRI	http://w3id.org/CE0N/demo/electronics/Width
Sub Class Of	http://qudt.org/schema/qudt/Quantity http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty
In Range Of	hasWidth ^{op}

Width Value^C

IRI	http://w3id.org/CE0N/demo/electronics/WidthValue
Sub Class Of	http://qudt.org/schema/qudt/QuantityValue http://qudt.org/schema/qudt/hasUnit ^{op} some http://qudt.org/schema/qudt/Unit ^C and http://qudt.org/schema/qudt/hasUnit ^{op} only http://qudt.org/schema/qudt/Unit ^C
Restriction	http://qudt.org/schema/qudt/numericValue only WidthValue ^C

Issuing Resource^C

IRI	http://w3id.org/CE0N/ontology/actor/IssuingResource
Named Individuals	ds_issue_1 ⁿⁱ

Process Participation^C

IRI <http://w3id.org/CE0N/ontology/actor/ProcessParticipation>

Named Individuals [s63](#)ⁿⁱ

Producing Resource^C

IRI <http://w3id.org/CE0N/ontology/actor/ProducingResource>

Named Individuals [ss_1](#)ⁿⁱ
[ss_2](#)ⁿⁱ
[ss_3](#)ⁿⁱ

Supplying Resource^C

IRI <http://w3id.org/CE0N/ontology/actor/SupplyingResource>

Named Individuals [s7](#)ⁿⁱ

Actor^C

IRI <http://w3id.org/CE0N/ontology/actorODP/Actor>

Named Individuals [M](#)ⁿⁱ
[company_a](#)ⁿⁱ
[company_b](#)ⁿⁱ
[company_x](#)ⁿⁱ
[company_y](#)ⁿⁱ
[dismantling_company_b](#)ⁿⁱ

Resource Relation^C

IRI <http://w3id.org/CE0N/ontology/actorODP/ResourceRelation>

Named Individuals [composition_a](#)ⁿⁱ

Process^C

IRI <http://w3id.org/CE0N/ontology/processODP/Process>

Named Individuals [dismantling_process_1](#)ⁿⁱ

Statement^c

IRI <http://w3id.org/CE0N/ontology/provenance/Statement>

Super Class Of [ElectronicsProductSourcingComponentRelation^c](#)

Named Individuals
[composition_aⁿⁱ](#)
[q1ⁿⁱ](#)

Object Properties

defined unit of system^{op}

IRI <http://qudt.org/schema/qudt/definedUnitOfSystem>

derived coherent unit of system^{op}

IRI <http://qudt.org/schema/qudt/derivedCoherentUnitOfSystem>

exact match^{op}

IRI <http://qudt.org/schema/qudt/exactMatch>

has dimension vector^{op}

IRI <http://qudt.org/schema/qudt/hasDimensionVector>

has unit^{op}

IRI <http://qudt.org/schema/qudt/hasUnit>

compliance with^{op}

IRI <http://w3id.org/CE0N/demo/electronics/complianceWith>

has catalyst composition value^{op}

IRI <http://w3id.org/CE0N/demo/electronics/hasCatalystCompositionValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain [CatalystComposition^c](#)

Range [CatalystCompositionValue^c](#)

has chemical element^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasChemicalElement>

Range <http://w3id.org/CEON/ontology/material/ChemicalElement>

has chemical element composition value^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasChemicalElementCompositionValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain [ChemicalElementComposition^c](#)

Range [ChemicalElementCompositionValue^c](#)

has conductivity^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasConductivity>

Sub Property Of <http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty>

Domain <http://w3id.org/CEON/ontology/product/Item>

Range [Conductivity^c](#)

has conductivity value^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasConductivityValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain

- [Conductivity^c](#)
- <http://w3id.org/CEON/ontology/product/Product>^c or <http://w3id.org/CEON/ontology/product/Item>^c

Range [ConductivityValue^c](#)

has density at25^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasDensityAt25>

Sub Property Of <http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty>

Domain <http://w3id.org/CEON/ontology/product/Item>

Range [DensityAt25^c](#)

has density at25value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasDensityAt25Value
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">DensityAt25^Chttp://w3id.org/CEON/ontology/product/Product^C or http://w3id.org/CEON/ontology/product/Item^C
Range	DensityAt25Value ^C

has depth^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasDepth
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Range	Depth ^C

has depth value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasDepthValue
Sub Property Of	http://w3id.org/CEON/ontology/quantity/hasDimension
Domain	<ul style="list-style-type: none">Depth^Chttp://w3id.org/CEON/ontology/product/Item^C or http://w3id.org/CEON/ontology/product/Product^C
Range	DepthValue ^C

has diameter^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasDiameter
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Super Property Of	hasOuterDiameter ^{op}
Range	Diameter ^C

has diameter value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasDiameterValue
Sub Property Of	http://w3id.org/CEON/ontology/quantity/hasDimension
Domain	<ul style="list-style-type: none">Diameter^Chttp://w3id.org/CEON/ontology/product/Item^C or http://w3id.org/CEON/ontology/product/Product^C
Range	DiameterValue ^C

has fiber elongation at break^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasFiberElongationAtBreak
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	FiberElongationAtBreak^c

has fiber elongation at break value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasFiberElongationAtBreakValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">FiberElongationAtBreak^chttp://w3id.org/CEON/ontology/product/Item^c or http://w3id.org/CEON/ontology/product/Product^c
Range	FiberElongationAtBreakValue^c

has fiber volume content^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasFiberVolumeContent
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	FiberVolumeContent^c

has fiber volume content value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasFiberVolumeContentValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">FiberVolumeContent^chttp://w3id.org/CEON/ontology/product/Product^c or http://w3id.org/CEON/ontology/product/Item^c
Range	FiberVolumeContentValue^c

has hazardous material^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasHazardousMaterial
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	http://w3id.org/CEON/ontology/product/Product ^c or http://w3id.org/CEON/ontology/product/Item ^c
Range	HazardousMaterialPercentage ^c

has lca value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasLCAValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Range	LCAValue ^c

has length^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasLength
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Range	Length ^c

has life span time^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasLifeSpanTime
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Range	LifeSpanTime ^c

has life span time value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasLifeSpanTimeValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">LifeSpanTime^chttp://w3id.org/CEON/ontology/product/Product^c or http://w3id.org/CEON/ontology/product/Item^c
Range	LifeSpanTimeValue ^c

has maximum energy product^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasMaximumEnergyProduct
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	MaximumEnergyProduct^c

has maximum energy product value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasMaximumEnergyProductValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">MaximumEnergyProduct^chttp://w3id.org/CEON/ontology/product/Product^c or http://w3id.org/CEON/ontology/product/Item^c
Range	MaximumEnergyProductValue^c

has metal composition value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasMetalCompositionValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	MetalComposition^c
Range	MetalCompositionValue^c

has operating voltage^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasOperatingVoltage
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	OperatingVoltage^c

has operating voltage value^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasOperatingVoltageValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain

- [OperatingVoltage](#)^c
- <http://w3id.org/CEON/ontology/product/Item>^c or <http://w3id.org/CEON/ontology/product/Product>^c

Range [OperatingVoltageValue](#)^c

has outer diameter^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasOuterDiameter>

Sub Property Of [hasDiameter](#)^{op}

has post consumer recycled content value^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasPostConsumerRecycledContentValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain [PostConsumerRecycledContent](#)^c

Range [PostConsumerRecycledContentValue](#)^c

has pre consumer recycled content value^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasPreConsumerRecycledContentValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain [PreConsumerRecycledContent](#)^c

Range [PreConsumerRecycledContentValue](#)^c

has rare earth composition value^{op}

IRI <http://w3id.org/CEON/demo/electronics/hasRareEarthCompositionValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain [RareEarthComposition](#)^c

Range [RareEarthCompositionValue](#)^c

has rated load amps^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRatedLoadAmps
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	RatedLoadAmps^c

has rated load amps value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRatedLoadAmpsValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">RatedLoadAmps^chttp://w3id.org/CEON/ontology/product/Product^c or http://w3id.org/CEON/ontology/product/Item^c
Range	RatedLoadAmpsValue^c

has rated power output^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRatedPowerOutput
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	RatedPowerOutput^c

has rated power output value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRatedPowerOutputValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">RatedPowerOutput^chttp://w3id.org/CEON/ontology/product/Product^c or http://w3id.org/CEON/ontology/product/Item^c
Range	RatedPowerOutputValue^c

has rated rpm^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRatedRPM
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	RatedRPM^c

has rated rpm value^{op}

IRI <http://w3id.org/CE0N/demo/electronics/hasRatedRPMValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Domain

- [RatedRPM](#)^c
- <http://w3id.org/CE0N/ontology/product/Item>

Range [RatedRPMValue](#)^c

has recycling pressure value^{op}

IRI <http://w3id.org/CE0N/demo/electronics/hasRecyclingPressureValue>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Range [RecyclingPressureValue](#)^c

has recycling process duration^{op}

IRI <http://w3id.org/CE0N/demo/electronics/hasRecyclingProcessDuration>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Range [RecyclingProcessDuration](#)^c

has recycling process temperature^{op}

IRI <http://w3id.org/CE0N/demo/electronics/hasRecyclingProcessTemperature>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Range [RecyclingTemperatureValue](#)^c

has refractive index at25^{op}

IRI <http://w3id.org/CE0N/demo/electronics/hasRefractiveIndexAt25>

Sub Property Of <http://qudt.org/schema/qudt/quantityValue>

Range [RefractiveIndexAt25](#)^c

has remanent magnetic flux density^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRemanentMagneticFluxDensity
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	RemanentMagneticFluxDensity^c

has remanent magnetic flux density value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRemanentMagneticFluxDensityValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">RemanentMagneticFluxDensity^chttp://w3id.org/CEON/ontology/product/Item
Range	RemanentMagneticFluxDensityValue^c

has renewable content value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasRenewableContentValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">RenewableContent^chttp://w3id.org/CEON/ontology/product/Item
Range	RenewableContentValue^c

has resistivity value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasResistivityValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">Resistivity^chttp://w3id.org/CEON/ontology/product/Item
Range	ResistivityValue^c

has shape^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasShape
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Range	Shape^c

has shear strength^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasShearStrength
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	ShearStrength^c

has shear strength value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasShearStrengthValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">ShearStrength^chttp://w3id.org/CEON/ontology/product/Item
Range	ShearStrengthValue^c

has stiffness^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasStiffness
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	Stiffness^c

has stiffness value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasStiffnessValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">Stiffness^chttp://w3id.org/CEON/ontology/product/Item
Range	StiffnessValue^c

has tensile modulus^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasTensileModulus
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	TensileModulus^c

has tensile modulus value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasTensileModulusValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">TensileModulus^Chttp://w3id.org/CEON/ontology/product/Item
Range	TensileModulusValue^C

has tensile strength^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasTensileStrength
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	TensileStrength^C

has tensile strength value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasTensileStrengthValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">TensileStrength^Chttp://w3id.org/CEON/ontology/product/Item
Range	TensileStrengthValue^C

has transition temperature^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasTransitionTemperature
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	TransitionTemperature^C

has transition temperature value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasTransitionTemperatureValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">TransitionTemperature^Chttp://w3id.org/CEON/ontology/product/Item
Range	TransitionTemperatureValue^C

has unknown acute toxicity^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasUnknownAcuteToxicity
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	http://w3id.org/CEON/ontology/product/Item
Range	UnknownAcuteToxicityPercentage^c

has virgin fossil content value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasVirginFossilContentValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">VirginFossilContent^chttp://w3id.org/CEON/ontology/product/Item
Range	VirginFossilContentValue^c

has viscosity at25^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasViscosityAt25
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Domain	http://w3id.org/CEON/ontology/product/Item
Range	ViscosityAt25^c

has viscosity at25value^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasViscosityAt25Value
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	<ul style="list-style-type: none">ViscosityAt25^chttp://w3id.org/CEON/ontology/product/Item
Range	ViscosityAt25Value^c

has width^{op}

IRI	http://w3id.org/CEON/demo/electronics/hasWidth
Sub Property Of	http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty
Range	Width^c

participant role ^{op}	
IRI	http://w3id.org/CE0N/ontology/actor0DP/participantRole
participating actor ^{op}	
IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingActor
participating resource ^{op}	
IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingResource
participation in ^{op}	
IRI	http://w3id.org/CE0N/ontology/actor0DP/participationIn

Datatype Properties

conversion multiplier ^{dp}	
IRI	http://qudt.org/schema/qudt/conversionMultiplier
iec61360code ^{dp}	
IRI	http://qudt.org/schema/qudt/iec61360Code
numerical value ^{dp}	
IRI	http://qudt.org/schema/qudt/numericalValue
si units expression ^{dp}	
IRI	http://qudt.org/schema/qudt/siUnitsExpression
has astm compliance file url ^{dp}	
IRI	http://w3id.org/CE0N/demo/electronics/hasASTMComplianceFileUrl
<u>Sub Property Of</u>	hasFileUrl^{dp}
<u>Range</u>	xsd:string

has batch invoice number^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasBatchInvoiceNumber>

Range [xsd:string](#)

has batch number^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasBatchNumber>

Domain <http://w3id.org/CE0N/ontology/resourceODP/BatchOfObjects>

Range [xsd:integer](#)

has black e coating brand name^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasBlackECoatingBrandName>

Range [xsd:string](#)

has black e coating technical datasheet^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasBlackECoatingTechnicalDatasheet>

Sub Property Of [hasFileUrl^{dp}](#)

Range [xsd:string](#)

has casting certificate^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasCastingCertificate>

Sub Property Of [hasFileUrl^{dp}](#)

Range [xsd:string](#)

has decomissioning date^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasDecomissioningDate>

Range [xsd:dateTime](#)

has decommission reason^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasDecommissionReason>

Range [xsd:string](#)

has efficiency class^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasEfficiencyClass>

has environmental product declaration^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasEnvironmentalProductDeclaration>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has file url^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasFileUrl>

Super Property Of

- [hasASTMComplianceFileUrl](#)^{dp}
- [hasBlackECoatingTechnicalDatasheet](#)^{dp}
- [hasCastingCertificate](#)^{dp}
- [hasEnvironmentalProductDeclaration](#)^{dp}
- [hasFireWorkingConditionComplianceFileUrl](#)^{dp}
- [hasHysteresisCurveTechReport](#)^{dp}
- [hasISOComplianceFileUrl](#)^{dp}
- [hasLCAReport](#)^{dp}
- [hasMaterialDatasheet](#)^{dp}
- [hasNormativeReferenceFileUrl](#)^{dp}
- [hasPassivationProductTechnicalDatasheet](#)^{dp}
- [hasREACHComplianceFileUrl](#)^{dp}
- [hasResponsibleSourcingCertificate](#)^{dp}
- [hasRoHSComplianceFileUrl](#)^{dp}
- [hasSafetyDatasheet](#)^{dp}
- [hasSupplyDueDiligencePolicyReport](#)^{dp}
- [hasSustainabilityDeclaration](#)^{dp}

Range [xsd:string](#)

has fire working condition compliance file url^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasFireWorkingConditionComplianceFileUrl>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has hysteresis curve tech report^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasHysteresisCurveTechReport>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has iso compliance file url^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasISOComplianceFileUrl>

Sub Property Of [hasFileUrl^{dp}](#)

Range [xsd:string](#)

has installation date^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasInstallationDate>

Range [xsd:dateTime](#)

has installation instructions^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasInstallationInstructions>

Range [xsd:string](#)

has intended application^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasIntendedApplication>

Range [xsd:string](#)

has lca report^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasLCAReport>

Sub Property Of [hasFileUrl^{dp}](#)

Range [xsd:string](#)

has lay up sequence^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasLayUpSequence>

Range [xsd:string](#)

has magnet location^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasMagnetLocation>

Range [xsd:string](#)

has maintenance instructions^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasMaintenanceInstructions>

Range [xsd:string](#)

has maintenance measures^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasMaintenanceMeasures>

Range [xsd:string](#)

has maintenance report^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasMaintenanceReport>

Range [xsd:string](#)

has maintenance trigger^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasMaintenanceTrigger>

Range [xsd:string](#)

has manufacturing sequence^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasManufacturingSequence>

Range [xsd:string](#)

has material datasheet^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasMaterialDatasheet>

Sub Property Of [hasFileUrl^{dp}](#)

Range [xsd:string](#)

has normative reference file url^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasNormativeReferenceFileUrl>

Sub Property Of [hasFileUrl^{dp}](#)

Range [xsd:string](#)

has part number code^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasPartNumberCode>

Range [xsd:string](#)

has passivation product technical datasheet^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasPassivationProductTechnicalDatasheet>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has production date^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasProductionDate>

Domain <http://w3id.org/CE0N/ontology/resourceODP/BatchOfObjects>

Range [xsd:dateTime](#)

has quality test link^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasQualityTestLink>

Range [xsd:string](#)

has reach compliance file url^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasREACHComplianceFileUrl>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has recycling process name^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasRecyclingProcessName>

Range [xsd:string](#)

has repair instructions^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasRepairInstructions>

Range [xsd:anyURI](#)

has reported damage^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasReportedDamage>

Range [xsd:string](#)

has reported repairs^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasReportedRepairs>

Range [xsd:string](#)

has responsible sourcing certificate^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasResponsibleSourcingCertificate>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has ro hs compliance file url^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasRoHSComplianceFileUrl>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has safety datasheet^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasSafetyDatasheet>

Sub Property Of [hasFileUrl](#)^{dp}

Range [xsd:string](#)

has site name^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasSiteName>

Range [xsd:string](#)

has size level^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasSizeLevel>

Range [xsd:double](#)

has supply due diligence policy report^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasSupplyDueDiligencePolicyReport>

Sub Property Of [hasFileUri](#)^{dp}

Range [xsd:string](#)

has sustainability declaration^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasSustainabilityDeclaration>

Sub Property Of [hasFileUri](#)^{dp}

Range [xsd:string](#)

has use and assembly instructions^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasUseAndAssemblyInstructions>

Range [xsd:string](#)

hasdisassembly instructions^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/hasdisassemblyInstructions>

Range [xsd:string](#)

is adhesive contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isAdhesiveContained>

Range [xsd:boolean](#)

is bromide contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isBromideContained>

Range [xsd:boolean](#)

is catalyst contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isCatalystContained>

Range [xsd:boolean](#)

is cores contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isCoresContained>

is flame retardant^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isFlameRetardant>

Range [xsd:boolean](#)

is high uv resistance^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isHighUVResistance>

Range [xsd:boolean](#)

is laminate contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isLaminateContained>

Range [xsd:boolean](#)

is matrix additive contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isMatrixAdditiveContained>

Range [xsd:boolean](#)

is metal contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isMetalContained>

Range [xsd:boolean](#)

is nitrogen contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isNitrogenContained>

Range [xsd:boolean](#)

is oxygen contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isOxygenContained>

Range [xsd:boolean](#)

is pre preg contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isPrePregContained>

Range [xsd:boolean](#)

is reac hcomplied^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isREACHcomplied>

Range [xsd:boolean](#)

is rare earth contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isRareEarthContained>

Range [xsd:boolean](#)

is ro hs complied^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isRoHSComplied>

Range [xsd:boolean](#)

is surface finish contained^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/isSurfaceFinishContained>

Range [xsd:boolean](#)

number of recycling cycles^{dp}

IRI <http://w3id.org/CE0N/demo/electronics/numberOfRecyclingCycles>

participation time point^{dp}

IRI <http://w3id.org/CE0N/ontology/actorODP/participationTimePoint>

Annotation Properties

expression ^{ap}	
IRI	http://qudt.org/schema/qudt/expression
participating object ^{ap}	
IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingObject
participating subject ^{ap}	
IRI	http://w3id.org/CE0N/ontology/actor0DP/participatingSubject
statement about ^{ap}	
IRI	http://w3id.org/CE0N/ontology/statement/statementAbout

Namespaces

:	http://w3id.org/CE0N/demo/electronics/
dcterms	http://purl.org/dc/terms/
owl	http://www.w3.org/2002/07/owl#
prov	http://www.w3.org/ns/prov#
rdf	http://www.w3.org/1999/02/22-rdf-syntax-ns#
rdfs	http://www.w3.org/2000/01/rdf-schema#
vann	http://purl.org/vocab/vann/
xsd	http://www.w3.org/2001/XMLSchema#

Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties