Circular Economy Ontology Network (CEON) - Textile Module

Metadata

IRI

http://w3id.org/CEON/demo/textile/

Title

Circular Economy Ontology Network (CEON) - Textile Module

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Version Iri

http://w3id.org/CEON/demo/textile/0.2/

Version Info

0.2

Preferred Namespace Uri

http://w3id.org/CEON/demo/textile/

Description

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

Classes

Cellulose Material ^C

IRI	http://w3id.org/CEON/ontology/textile/CelluloseMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Cotton Material ^C

IRI	http://w3id.org/CEON/ontology/textile/CottonMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Leather Material ^C

IRI	http://w3id.org/CEON/ontology/textile/LeatherMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Plastic Material ^C

IRI	http://w3id.org/CEON/ontology/textile/PlasticMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Actor Resource Role [C]

IRI	http://w3id.org/CEON/ontology/actor/ActorResourceRole
Named Individuals	brand[ni]

Adhesive Finishing [C]

IRI	http://w3id.org/CEON/ontology/textile/AdhesiveFinishing
Sub Class Of	FinishingProcess[C]

Batch Of Textile Objects [C]

IRI	http://w3id.org/CEON/ontology/textile/BatchOfTextileObjects
Sub Class Of	http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects hasColor[op] only Color[C] *and* hasColor[op] some Color[C]

Brand Of Resource [C]

IRI	http://w3id.org/CEON/ontology/textile/BrandOfResource
Sub Class Of	actorODP:ResourceRelation
Equivalentclass	actorODP:participantRole value brand[C] *and* actorODP:ResourceRelation[C]

Chemical Compliance [C]

IRI	http://w3id.org/CEON/ontology/textile/ChemicalCompliance
Sub Class Of	http://w3id.org/CEON/ontology/product/Compliance
Super Class Of	GRSCompliance[C] ZDHCCompliance[C]

Chemical Finishing [C]

IRI	`http://w3id.org/CEON/ontology/textile/ChemicalFinishing`
Sub Class Of	FinishingProcess [C]
Named Individuals	anti-pilling [ni]
	antiStaticFinishing [ni]
	antibacterialFinishing [ni]
	coating [ni]
	coatingAcrylic [ni]
	coatingPU [ni]
	coatingPVC [ni]
	creaseResistance [ni]
	enzymeFinishing [ni]
	flameRetardant [ni]
	mattingAgent [ni]
	millWashing [ni]
	millingAgent [ni]
	naturalOiling [ni]
	opticalBrighteners [ni]
	permanentPress [ni]
	prepareForDyeing [ni]
	resins [ni]
	silicones [ni]
	soilRelease [ni]
	stainResistance [ni]

Color [C]

IRI	`http://w3id.org/CEON/ontology/textile/Color`
Sub Class Of	TextileProperty [C]
In Range Of	hasColor [op]
Named Individuals	blue [ni]
	red [ni]
	yellow [ni]

Double Adhesive Coated Material [C]

IRI	`http://w3id.org/CEON/ontology/textile/DoubleAdhesiveCoated Material`
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Dye Method [C]

IRI
http://w3id.org/CEON/ontology/textile/DyeMethod

In Range Of
hasDyeMethod [op]

Named Individuals
directDyed [ni]
dopeDyed [ni]
pieceDyed [ni]
topDyed [ni]
undyed [ni]
yarnDyed [ni]

Dye Stuff [C]

IRI
http://w3id.org/CEON/ontology/textile/DyeStuff

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

In Range Of
hasDyeStuff [op]

Named Individuals
acidDye [ni]
analineDye [ni]
azoDye [ni]
basicDye [ni]
chromeDye [ni]
directDye [ni]
disperseDye [ni]
mordantDye [ni]
narturalDye [ni]
pigmentBiosynthetic [ni]
pigmentNatural [ni]
pigmentSynthetic [ni]
reactiveDye [ni]
vatDye [ni]

Dyeing Process [C]

IRI
http://w3id.org/CEON/ontology/textile/DyeingProcess

Sub Class Of
TextileProductionProcess [C]
hasDyeMethod [op] some DyeMethod [C] *and* hasDyeMethod [op] only DyeMethod [C]
hasDyeStuff [op] only DyeStuff [C] *and* hasDyeStuff [op] some DyeStuff [C]

In Domain Of
hasDyeMethod [op]
hasDyeStuff [op]

Ethyl Vinyl Acetate Film [C]

IRI
http://w3id.org/CEON/ontology/textile/EthylVinylAcetateFilm

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

Ethyl Vinyl Acetate Resin ^C

IRI	`http://w3id.org/CEON/ontology/textile/EthylVinylAcetateResin`
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Fabric Production ^C

IRI	`http://w3id.org/CEON/ontology/textile/FabricProduction`
Sub Class Of	TextileProductionProcess ^C

Finishing Process ^C

IRI	`http://w3id.org/CEON/ontology/textile/FinishingProcess`
Sub Class Of	TextileProductionProcess ^C
In Range Of	hasFinishing ^{op} hasFinishingStep ^{op}
Super Class Of	AdhesiveFinishing ^C ChemicalFinishing ^C MechanicalFinishing ^C SkivedFinishing ^C

Grs Compliance ^C

IRI	`http://w3id.org/CEON/ontology/textile/GRSCompliance`
Sub Class Of	ChemicalCompliance ^C
Equivalentclass	http://w3id.org/CEON/ontology/product/complianceWith value GRS ^C

Inorganic F Iller ^C

IRI	`http://w3id.org/CEON/ontology/textile/InorganicFIller`
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Msds Compliance ^C

IRI	`http://w3id.org/CEON/ontology/textile/MSDSCompliance`
Sub Class Of	http://w3id.org/CEON/ontology/product/Compliance
Equivalentclass	http://w3id.org/CEON/ontology/product/complianceWith value MSDS ^C

Mechanical Finishing [C]

IRI   http://w3id.org/CEON/ontology/textile/MechanicalFinishing

Sub Class Of   FinishingProcess [C]

Named Individuals

- calendering [ni]
- embossing [ni]
- permanentCreasing [ni]
- pre-shrinking [ni]
- steaming [ni]
- sueding [ni]

Polyester Fibres [C]

IRI   http://w3id.org/CEON/ontology/textile/PolyesterFibres

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

Print Method [C]

IRI   http://w3id.org/CEON/ontology/textile/PrintMethod

In Range Of   hasPrintMethod [op]

Named Individuals

- batikPrinted [ni]
- digitalPrinted [ni]
- handPainted [ni]
- inkjetPrinted [ni]
- rollerPrinted [ni]
- screenPrinted [ni]
- transferPrinted [ni]

Print Stuff [C]

IRI   http://w3id.org/CEON/ontology/textile/PrintStuff

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

In Range Of   hasPrintStuff [op]

Named Individuals

- acidDye [ni]
- analineDye [ni]
- azoDye [ni]
- basicDye [ni]
- chromeDye [ni]
- directDye [ni]
- disperseDye [ni]
- mordantDye [ni]
- narturalDye [ni]
- pigmentBiosynthetic [ni]
- pigmentNatural [ni]
- pigmentSynthetic [ni]
- reactiveDye [ni]
- sulfurDye [ni]
- vatDye [ni]

Printing Process ^C

IRI	http://w3id.org/CEON/ontology/textile/PrintingProcess
Sub Class Of	TextileProductionProcess ^C hasPrintMethod ^{op} only PrintMethod ^C *and* hasPrintMethod ^{op} some PrintMethod ^C hasPrintStuff ^{op} only PrintStuff ^C *and* hasPrintStuff ^{op} some PrintStuff ^C
In Domain Of	hasPrintMethod ^{op} hasPrintStuff ^{op}

Raw Hide Processing ^C

IRI	http://w3id.org/CEON/ontology/textile/RawHideProcessing
Sub Class Of	TextileProductionProcess ^C

Raw Material Production ^C

IRI	http://w3id.org/CEON/ontology/textile/RawMaterialProduction
Sub Class Of	TextileProductionProcess ^C

Shoe Lace ^C

IRI	http://w3id.org/CEON/ontology/textile/ShoeLace
Sub Class Of	TextileProduct ^C

Shoe Sole ^C

IRI	http://w3id.org/CEON/ontology/textile/ShoeSole
Sub Class Of	TextileProduct ^C

Single Adhesive Coated Material ^C

IRI	http://w3id.org/CEON/ontology/textile/SingleAdhesiveCoatedMaterial
Sub Class Of	http://w3id.org/CEON/ontology/material/Material

Skived Finishing ^C

IRI	http://w3id.org/CEON/ontology/textile/SkivedFinishing
Sub Class Of	FinishingProcess ^C

Spinning Process ^C

IRI　　　　　`http://w3id.org/CEON/ontology/textile/SpinningProcess`

Sub Class Of　　TextileProductionProcess ^C

Styrene Butadiene Latex ^C

IRI　　　　　`http://w3id.org/CEON/ontology/textile/StyreneButadieneLatex`

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

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Textile Chemical Substance Threshold Statement ^C

IRI　　　　　`http://w3id.org/CEON/ontology/textile/TextileChemicalSubstanceThresholdStatement`

Sub Class Of　　http://w3id.org/CEON/ontology/statement/DisclosedChemicalSubtanceStatement

　　　　　　　　TextileDataSheetStatement ^C

In Domain Of　　disclosureValue ^{op}

Textile Data Sheet ^C

IRI　　　　　`http://w3id.org/CEON/ontology/textile/TextileDataSheet`

Sub Class Of　　http://w3id.org/CEON/ontology/datasheet/DataSheet

Restriction

　　　　　　　　http://w3id.org/CEON/ontology/resourceODP/isAbout some TextileDataSheet ^C

　　　　　　　　hasProperty ^{op} some TextileDataSheet ^C

Textile Data Sheet Issuing Statement ^C

IRI　　　　　`http://w3id.org/CEON/ontology/textile/TextileDataSheetIssuingStatement`

Sub Class Of　　TextileDataSheetStatement ^C

Textile Data Sheet Statement ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileDataSheetStatement

Sub Class Of   http://w3id.org/CEON/ontology/statement/Statement

Super Class Of

TextileChemicalSubstanceThresholdStatement ^C
TextileDataSheetIssuingStatement ^C
TextileDataSheetUpdateStatement ^C
TextileManufacturerStatement ^C
TextileManufacturingSiteStatement ^C
TextilePostConsumerRecycledCompositionStatement ^C
TextilePostConsumerRecycledContentWeightStatement ^C
TextilePreConsumerRecycledCompositionStatement ^C
TextilePreConsumerRecycledContentWeightStatement ^C
TextileProductCertification ^C
TextileProductComponentStatement ^C
TextileProductCompositionDisclosureStatement ^C
TextileProductCompositionOfConcern ^C
TextileProductCompositionWeightFraction ^C
TextileProductDataSheet ^C
TextileProductDesignForDisassembly ^C
TextileProductDesignForDismantling ^C
TextileProductDesignForRecycling ^C
TextileProductDesignForRefurbishment ^C
TextileProductDesignForRemanufacturing ^C
TextileProductDesignForReuseMethod ^C
TextileProductDesignedForBetterUse ^C
TextileProductManufacturingMethod ^C
TextileProductRenewableContet ^C

Textile Data Sheet Update Statement ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileDataSheetUpdateStatement

Sub Class Of   TextileDataSheetStatement ^C

Textile Manufacturer Statement ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileManufacturerStatement

Sub Class Of   TextileDataSheetStatement ^C

Textile Manufacturing Site Statement ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileManufacturingSiteStatement

Sub Class Of   TextileDataSheetStatement ^C

Textile Post Consumer Recycled Composition Statement ^C

IRI http://w3id.org/CEON/ontology/textile/TextilePostConsumerRecycledCompositionStatement

Sub Class Of TextileDataSheetStatement ^C

Textile Post Consumer Recycled Content Weight Statement ^C

IRI http://w3id.org/CEON/ontology/textile/TextilePostConsumerRecycledContentWeightStatement

Sub Class Of http://w3id.org/CEON/ontology/statement/MFOfPostConsumerRecycledMaterialContentStatement
TextileDataSheetStatement ^C

Textile Pre Consumer Recycled Composition Statement ^C

IRI http://w3id.org/CEON/ontology/textile/TextilePreConsumerRecycledCompositionStatement

Sub Class Of http://w3id.org/CEON/ontology/statement/PreConsumerRecycledMaterialCompositionStatement
TextileDataSheetStatement ^C

Textile Pre Consumer Recycled Content Weight Statement ^C

IRI http://w3id.org/CEON/ontology/textile/TextilePreConsumerRecycledContentWeightStatement

Sub Class Of http://w3id.org/CEON/ontology/statement/MFOfPreConsumerRecycledMaterialContentStatement
TextileDataSheetStatement ^C

Textile Product ^C

IRI http://w3id.org/CEON/ontology/textile/TextileProduct

Sub Class Of http://w3id.org/CEON/ontology/product/Product
hasColor ^{op} some Color ^C *and* hasColor ^{op} only Color ^C
hasOrigin ^{op} some TextileProductOrigin ^C *and* hasOrigin ^{op} only TextileProductOrigin ^C
hasTextileProductType ^{op} only TextileProductType ^C *and* hasTextileProductType ^{op} some TextileProductType ^C

In Domain Of hasTextileProductType ^{op}
hasTextileProductionProcess ^{op}

Super Class Of ShoeLace ^C
ShoeSole ^C

Textile Product Certification [C]

IRI `http://w3id.org/CEON/ontology/textile/TextileProductCertification`

Sub Class Of TextileDataSheetStatement [C]

Textile Product Component Relation [C]

IRI `http://w3id.org/CEON/ontology/textile/TextileProductComponentRelation`

Sub Class Of
http://qudt.org/schema/qudt/Quantity
actorODP:ResourceParticipation
actorODP:participatingObject some
http://w3id.org/CEON/ontology/resourceODP/Constituent [C] *and*
actorODP:participatingSubject some TextileProduct [C]

In Domain Of hasTextileProductComponentValue [op]

Restriction hasTextileProductComponentValue [op] *max* 1 TextileProductComponentRelation [C]

Textile Product Component Statement [C]

IRI `http://w3id.org/CEON/ontology/textile/TextileProductComponentStatement`

Sub Class Of
TextileDataSheetStatement [C]
http://w3id.org/CEON/ontology/statement/statementAbout *max* 1
TextileProductComponentRelation [C] *or*
http://w3id.org/CEON/ontology/statement/statementAbout *max* 1
TextileProductMatterCompositionRelation [C]

Textile Product Component Value [C]

IRI `http://w3id.org/CEON/ontology/textile/TextileProductComponentValue`

Sub Class Of
http://qudt.org/schema/qudt/QuantityValue
http://qudt.org/schema/qudt/hasUnit some http://qudt.org/schema/qudt/Unit [C]
and http://qudt.org/schema/qudt/numericalValue [dp] some
nb44de2ef19804811afe77d27c577a1dfb70 [C]

In Range Of hasTextileProductComponentValue [op]

Textile Product Composition Disclosure Statement [C]

IRI `http://w3id.org/CEON/ontology/textile/TextileProductCompositionDisclosureStatement`

Sub Class Of
http://w3id.org/CEON/ontology/statement/MassFractionOfDisclosedChemicalSubstanceStatement
TextileDataSheetStatement [C]

Textile Product Composition Of Concern ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileProductCompositionOfConcern

Sub Class Of   TextileDataSheetStatement ^C

Textile Product Composition Weight Fraction ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileProductCompositionWeightFraction

Sub Class Of   TextileDataSheetStatement ^C

Textile Product Data Sheet ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileProductDataSheet

Sub Class Of   TextileDataSheetStatement ^C

Textile Product Design For Disassembly ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileProductDesignForDisassembly

Sub Class Of   http://w3id.org/CEON/ontology/statement/DisassemblyStatement
TextileDataSheetStatement ^C

In Domain Of   designedForUsingReversibleConnector ^{dp}

Super Class Of   TextileProductDesignToBeCleanlyRemoved ^C
TextileProductDesignToBeDismantled ^C

Textile Product Design For Dismantling ^C

IRI   http://w3id.org/CEON/ontology/textile/TextileProductDesignForDismantling

Sub Class Of   http://w3id.org/CEON/ontology/statement/DismantlingStatement
TextileDataSheetStatement ^C

Textile Product Design For Recycling ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignForRecycling
Sub Class Of	http://w3id.org/CEON/ontology/statement/RecyclingStatement TextileDataSheetStatement ^C
In Range Of	desinged for recycling at the same level of quality ^{op}
Restriction	http://w3id.org/CEON/ontology/statement/statementAbout some TextileProductDesignForRecycling ^C http://w3id.org/CEON/ontology/statement/statementAbout some TextileProductDesignForRecycling ^C

Textile Product Design For Refurbishment ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignForRefurbishment
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Design For Remanufacturing ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignForRemanufacturing
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Design For Reuse Method ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignForReuseMethod
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Design To Be Cleanly Removed ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignToBeCleanlyRemoved
Sub Class Of	TextileProductDesignForDisassembly ^C

Textile Product Design To Be Dismantled ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignToBeDismantled
Sub Class Of	TextileProductDesignForDisassembly ^C

Textile Product Designed For Better Use ^C

IRI `http://w3id.org/CEON/ontology/textile/TextileProductDesignedForBetterUse`

Sub Class Of TextileDataSheetStatement ^C

In Domain Of designForBetterUse ^{dp}

Textile Product Manufacturing Method ^C

IRI `http://w3id.org/CEON/ontology/textile/TextileProductManufacturingMethod`

Sub Class Of TextileDataSheetStatement ^C

Textile Product Matter Composition Relation ^C

IRI `http://w3id.org/CEON/ontology/textile/TextileProductMatterCompositionRelation`

Sub Class Of http://qudt.org/schema/qudt/Quantity
actorODP:ResourceParticipation
actorODP:participatingSubject some
nb44de2ef19804811afe77d27c577a1dfb83 ^C *and* actorODP:participatingObject
some http://w3id.org/CEON/ontology/resourceODP/Matter ^C

In Domain Of hasTextileProductMatterCompositionValue ^{op}

Restriction hasTextileProductMatterCompositionValue ^{op} *max* 1
TextileProductMatterCompositionRelation ^C

Textile Product Matter Composition Value ^C

IRI `http://w3id.org/CEON/ontology/textile/TextileProductMatterCompositionValue`

Sub Class Of http://qudt.org/schema/qudt/QuantityValue
http://qudt.org/schema/qudt/numericalValue ^{dp} some
nb44de2ef19804811afe77d27c577a1dfb92 ^C *and*
http://qudt.org/schema/qudt/hasUnit some http://qudt.org/schema/qudt/Unit ^C

In Range Of hasTextileProductMatterCompositionValue ^{op}

Textile Product Object ^C

IRI `http://w3id.org/CEON/ontology/textile/TextileProductObject`

Sub Class Of http://w3id.org/CEON/ontology/product/Item
hasColor ^{op} some Color ^C *and* hasColor ^{op} only Color ^C

Textile Product Origin [C]

IRI   http://w3id.org/CEON/ontology/textile/TextileProductOrigin

In Range Of   hasOrigin [op]

Named Individuals

original [ni]
recycled [ni]
reused [ni]

Textile Product Recycled Content [C]

IRI   http://w3id.org/CEON/ontology/textile/TextileProductRecycledContent

Sub Class Of

http://qudt.org/schema/qudt/Quantity
actorODP:ResourceParticipation

In Domain Of

hasTextileProductRecycledContent [op]
containsHazardousSubstanceAbove0.1ForPostConsumerRecycledContent [dp]
containsHazardousSubstanceAbove0.1ForPreConsumerRecycledContent [dp]

Restriction   hasTextileProductRecycledContent [op] *max* 1 TextileProductRecycledContent [c]

Textile Product Recycled Content Value [C]

IRI   http://w3id.org/CEON/ontology/textile/TextileProductRecycledContentValue

Sub Class Of

http://qudt.org/schema/qudt/QuantityValue
http://qudt.org/schema/qudt/hasUnit some http://qudt.org/schema/qudt/Unit [c]
and http://qudt.org/schema/qudt/numericalValue [dp] some
nb44de2ef19804811afe77d27c577a1dfb106 [c]

In Range Of   hasTextileProductRecycledContent [op]

Textile Product Renewable Content [C]

IRI   http://w3id.org/CEON/ontology/textile/TextileProductRenewableContent

Sub Class Of

http://qudt.org/schema/qudt/Quantity
actorODP:ResourceParticipation

In Domain Of

hasTextileProductRenewableContent [op]
reneableContentManagedInSustainableWay [dp]

Restriction   hasTextileProductRenewableContent [op] *max* 1 TextileProductRenewableContent [c]

Textile Product Renewable Content Value ^C

IRI http://w3id.org/CEON/ontology/textile/TextileProductRenewableContentValue

Sub Class Of
http://qudt.org/schema/qudt/QuantityValue
http://qudt.org/schema/qudt/numericalValue ^{dp} some
nb44de2ef19804811afe77d27c577a1dfb115 ^C *and*
http://qudt.org/schema/qudt/hasUnit some http://qudt.org/schema/qudt/Unit ^C

In Range Of hasTextileProductRenewableContent ^{op}

Textile Product Renewable Contet ^C

IRI http://w3id.org/CEON/ontology/textile/TextileProductRenewableContet

Sub Class Of
http://w3id.org/CEON/ontology/statement/MassFractionOfRenewableMaterialStatement
TextileDataSheetStatement ^C

Restriction
http://w3id.org/CEON/ontology/statement/statementAbout some
TextileProductRenewableContet ^C
http://w3id.org/CEON/ontology/statement/statementAbout some
TextileProductRenewableContet ^C

Textile Product To Leakage Statement ^C

IRI http://w3id.org/CEON/ontology/textile/TextileProductToLeakageStatement

Sub Class Of
http://w3id.org/CEON/ontology/statement/ReleasedIntoEnvironmentStatement
hasFractionOfProductToLeakageDuringUse ^{op} value
http://w3id.org/CEON/ontology/statement/75gt-95le ^C *or*
hasFractionOfProductToLeakageDuringUse ^{op} value
http://w3id.org/CEON/demo/textile/95gt-100le ^C *or*
hasFractionOfProductToLeakageDuringUse ^{op} value
http://w3id.org/CEON/ontology/statement/10gt-25le ^C *or*
hasFractionOfProductToLeakageDuringUse ^{op} value
http://w3id.org/CEON/ontology/statement/50gt-75le ^C *or*
hasFractionOfProductToLeakageDuringUse ^{op} value
http://w3id.org/CEON/demo/textile/1gt-10le ^C *or*
hasFractionOfProductToLeakageDuringUse ^{op} value
http://w3id.org/CEON/ontology/statement/25gt-50le ^C *or*
hasFractionOfProductToLeakageDuringUse ^{op} value
http://w3id.org/CEON/demo/textile/0ge-1le ^C

In Domain Of hasFractionOfProductToLeakageDuringUse ^{op}

Textile Product Type ^C

IRI http://w3id.org/CEON/ontology/textile/TextileProductType

Sub Class Of TextileProperty ^C

In Range Of hasTextileProductType ^{op}

Textile Production Process [C]

IRI
`http://w3id.org/CEON/ontology/textile/TextileProductionProcess`

Sub Class Of
http://w3id.org/CEON/ontology/processODP/Process

In Range Of
hasTextileProductionProcess [op]

Super Class Of

DyeingProcess [C]
FabricProduction [C]
FinishingProcess [C]
PrintingProcess [C]
RawHideProcessing [C]
RawMaterialProduction [C]
SpinningProcess [C]
TrimProduction [C]

Textile Property [C]

IRI
`http://w3id.org/CEON/ontology/textile/TextileProperty`

Sub Class Of
http://w3id.org/CEON/ontology/resourceODP/ResourceProperty

Super Class Of

Color [C]
TextileProductType [C]
WaterProperty [C]

Textile Recycling Process [C]

IRI
`http://w3id.org/CEON/ontology/textile/TextileRecyclingProcess`

Sub Class Of
http://w3id.org/CEON/ontology/processODP/Process

Named Individuals

biodigestion [ni]
biosphereCascading [ni]
homeComposting [ni]
incineration [ni]
industrialComposting [ni]

Trim Production [C]

IRI
`http://w3id.org/CEON/ontology/textile/TrimProduction`

Sub Class Of
TextileProductionProcess [C]

Water Property ^c

IRI	`http://w3id.org/CEON/ontology/textile/WaterProperty`
Sub Class Of	TextileProperty ^c
In Range Of	hasWaterProperty ^{op}
Named Individuals	Water repellent ⁿⁱ Water resistant ⁿⁱ Waterproof ⁿⁱ

Zdhc Compliance ^c

IRI	`http://w3id.org/CEON/ontology/textile/ZDHCCompliance`
Sub Class Of	ChemicalCompliance ^c
Equivalentclass	http://w3id.org/CEON/ontology/product/complianceWith value ZDHC ^c

Object Properties

object value ^{op}

IRI	`http://w3id.org/CEON/ontology/quantity#objectValue`
Super Property Of	• disclosureValue ^{op} • recyclingAtSameQualityRange ^{op}

anticipated leakage during use ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/anticipatedLeakageDuringUse`
Description	Percentage of the product content anticipated to become leakage during the use phase due to for example wear & tear, oxidation, erosion, etc.
Sub Property Of	hasProperty ^{op}

desinged for recycling at the same level of quality ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/designedForRecyclingAtSameQuality`
Description	Percentage of the product that is designed for recycling at the same level of quality. The remainder of the materials is foreseen by the manufacturer to be recycled at a lower quality than the original content.
Sub Property Of	hasProperty ^{op}
Range	TextileProductDesignForRecycling ^c

disclosure value ^{op}

IRI	http://w3id.org/CEON/ontology/textile/disclosureValue
Sub Property Of	http://w3id.org/CEON/ontology/quantity#objectValue ^{op}
Domain	TextileChemicalSubstanceThresholdStatement ^C

has color ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasColor
Sub Property Of	hasProperty ^{op}
Domain	http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects ^C *or* http://w3id.org/CEON/ontology/product/Item ^C *or* http://w3id.org/CEON/ontology/product/Product ^C
Range	Color ^C

has dye method ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasDyeMethod
Sub Property Of	topObjectProperty ^{op}
Domain	DyeingProcess ^C
Range	DyeMethod ^C

has dye stuff ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasDyeStuff
Sub Property Of	hasProperty ^{op}
Domain	DyeingProcess ^C
Range	DyeStuff ^C

has finishing ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasFinishing
Sub Property Of	hasProperty ^{op}
Range	FinishingProcess ^C

has finishing step ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasFinishingStep`
Sub Property Of	hasTextileProductionProcess ^{op}
Range	FinishingProcess ^c

has fraction of product to leakage during use ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasFractionOfProduct ToLeakageDuringUse`
Sub Property Of	http://w3id.org/CEON/ontology/statement/hasQuantityInterval
Domain	TextileProductToLeakageStatement ^c
Range	http://w3id.org/CEON/ontology/quantity#QuantityInterval

has origin ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasOrigin`
Domain	TextileProduct ^c *or* TextileProductObject ^c
Range	TextileProductOrigin ^c

has post consumer recycled content amount ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPostConsumerRecyc ledContentAmount`
Sub Property Of	http://w3id.org/CEON/ontology/product/hasComposition

has pre consumer recycled content amount ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPreConsumerRecycl edContentAmount`
Sub Property Of	http://w3id.org/CEON/ontology/product/hasComposition

Print Finishing ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPrintFinishing`
Sub Property Of	hasProperty ^{op}

has print method ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasPrintMethod
Sub Property Of	topObjectProperty ^{op}
Domain	PrintingProcess ^c
Range	PrintMethod ^c

has print stuff ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasPrintStuff
Sub Property Of	hasProperty ^{op}
Domain	PrintingProcess ^c
Range	PrintStuff ^c

has property ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasProperty
Super Property Of	- anticipatedLeakageDuringUse ^{op} - desinged for recycling at the same level of quality ^{op} - hasColor ^{op} - hasDyeStuff ^{op} - hasFinishing ^{op} - Print Finishing ^{op} - hasPrintStuff ^{op} - hasWaterProperty ^{op}

has textile product component value ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasTextileProductComponentValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	TextileProductComponentRelation ^c
Range	TextileProductComponentValue ^c

has textile product matter composition value ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasTextileProductMatterCompositionValue
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	TextileProductMatterCompositionRelation ^c
Range	TextileProductMatterCompositionValue ^c

has textile product recycled content ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasTextileProductRecycledContent
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	TextileProductRecycledContent^C
Range	TextileProductRecycledContentValue^C

has textile product renewable content ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasTextileProductRenewableContent
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Domain	TextileProductRenewableContent^C
Range	TextileProductRenewableContentValue^C

has textile product type ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasTextileProductType
Domain	TextileProduct^C
Range	TextileProductType^C

has textile production process ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasTextileProductionProcess
Super Property Of	hasFinishingStep^{op}
Domain	TextileProduct^C
Range	TextileProductionProcess^C

has water property ^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasWaterProperty
Sub Property Of	hasProperty^{op}
Range	WaterProperty^C

product composition disclosure availability ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/productCompositionDisclosureAvailability`
Range	http://w3id.org/CEON/ontology/statement/Availability

product composition disclosure validation ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/productCompositionDisclosureValidation`
Range	http://w3id.org/CEON/ontology/statement/Validation

recycling at same quality range ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/recyclingAtSameQualityRange`
Sub Property Of	http://w3id.org/CEON/ontology/quantity#objectValue ^{op}

Datatype Properties

numerical value ^{dp}

IRI	`http://qudt.org/schema/qudt/numericalValue`

available information ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/availableInformation`
Super Property Of	- isBiodegradabilityTestAvailable ^{dp} - isMaterialSafetyDataSheetForDyeingAvailable ^{dp} - isMaterialSafetyDataSheetForFinishingAvailable ^{dp} - isMaterialSafetyDataSheetForProductAvailable ^{dp} - isTechnicalDataSheetAvailable ^{dp}

contains hazardous substance above0.1for post consumer recycled content ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/containsHazardousSubstanceAbove0.1ForPostConsumerRecycledContent`
Domain	TextileProductRecycledContent ^c
Range	xsd:boolean

contains hazardous substance above0.1for pre consumer recycled content ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/containsHazardousSubstanceAbove0.1ForPreConsumerRecycledContent
Domain	TextileProductRecycledContent ^c
Range	xsd:boolean

design for better use ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designForBetterUse
Sub Property Of	topDataProperty ^{dp}
Super Property Of	

- designedForActivelyPositiveImpact ^{dp}
- impossibleForMaintenanceOrRepair ^{dp}
- isConsumablesEasilyReplacedByUntrainedPerson ^{dp}
- isMaintainedOrRepairedByTrainedPerson ^{dp}
- isMaintainedOrRepairedByUntrainedPerson ^{dp}
- isSparePartsAvailable ^{dp}
- needsMaintenanceOrRepair ^{dp}
- withoutHarmfulDispersionOrEmission ^{dp}

Domain	TextileProductDesignedForBetterUse ^c
Range	xsd:boolean

design for properties ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designForProperties
Super Property Of	

- designedForCleanBiodigestion ^{dp}
- designedForCleanIncinerationPyrolysis ^{dp}
- designedForCompostingInHomeComposter ^{dp}
- designedForCompostingInIndustrialFacility ^{dp}
- designedForIndustrialCascading ^{dp}
- designedForRecycling ^{dp}
- designedForRefurbishment ^{dp}
- designedForRemanufacturing ^{dp}
- designedForReuse ^{dp}
- designedForReuseWithMinimalModification ^{dp}
- designedForUsingReversibleConnector ^{dp}

Range	xsd:boolean

design for recycling amounts ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designForRecyclingAmounts
Super Property Of	emissionByDesign ^{dp}

designed for actively positive impact ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForActivelyPositiveImpact
Sub Property Of	designForBetterUse ^{dp}

designed for clean biodigestion ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForCleanBiodigestion
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for clean incineration pyrolysis ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForCleanIncinerationPyrolysis
Sub Property Of	designForProperties ^{dp}

designed for composting in home composter ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForCompostingInHomeComposter
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for composting in industrial facility ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForCompostingInIndustrialFacility
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for industrial cascading ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForIndustrialCascading
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for recycling ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForRecycling
Description	The product is designed for recycling?e
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for refurbishment ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForRefurbishment
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for remanufacturing ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForRemanufacturing
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for reuse ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForReuse
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for reuse with minimal modification ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForReuseWithMinimalModification
Sub Property Of	designForProperties ^{dp}
Range	xsd:boolean

designed for using reversible connector ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designedForUsingReversibleConnector
Sub Property Of	designForProperties ^{dp}
Domain	TextileProductDesignForDisassembly ^c
Range	xsd:boolean

emission by design ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/emissionByDesign

Description   The portion of the product known to be emitted into the environment during use is designed for that purpose.

Sub Property Of   designForRecyclingAmounts ^{dp}

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has cas number ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/hasCASNumber

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has chemical compliance ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/hasChemicalComplianc
e

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has collection parameter ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/hasCollectionParamet
er

Super Property Of   isCollectionSystemAvailable ^{dp}

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has company name ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/hasCompanyName

Sub Property Of   http://w3id.org/CEON/ontology/actor/hasOrganisationName

Range   xsd:string

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has country specific corporate identification number ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/hasCountrySpecificCo
rporateIdentificationNumber

Range   xsd:string

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has finishing steps ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/hasFinishingSteps

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has product id code ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/hasProductIDCode

Range   xsd:string

has textile type ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/hasTextileType`
Description	Description of the kind of textile product.
Range	xsd:string

impossible for maintenance or repair ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/impossibleForMaintenanceOrRepair`
Sub Property Of	designForBetterUse ^{dp}

is biodegradability test available ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/isBiodegradabilityTestAvailable`
Description	Biodegradability test is available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

is ce marked ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/isCEMarked`
Description	The product has theCE mark.
Sub Property Of	http://w3id.org/CEON/ontology/product/hasCertificate
Range	xsd:boolean

is collection system available ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/isCollectionSystemAvailable`
Description	The manufacturer/ industry association has a dedicated collection system in place to gather and deliver products for recycling.
Sub Property Of	hasCollectionParameter ^{dp}
Range	xsd:boolean

is consumables easily replaced by untrained person ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/isConsumablesEasilyReplacedByUntrainedPerson

Sub Property Of   designForBetterUse ^{dp}

is contained substance from reach very high concern list ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/isContainedSubstanceFromREACHVeryHighConcernList

Range   xsd:boolean

is contained substance in cmr harmonized classfication ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/isContainedSubstanceInCMRHarmonizedClassfication

Range   xsd:boolean

is maintained or repaired by trained person ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/isMaintainedOrRepairedByTrainedPerson

Sub Property Of   designForBetterUse ^{dp}

Range   xsd:boolean

is maintained or repaired by untrained person ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/isMaintainedOrRepairedByUntrainedPerson

Sub Property Of   designForBetterUse ^{dp}

Range   xsd:boolean

is material safety data sheet for dyeing available ^{dp}

IRI   http://w3id.org/CEON/ontology/textile/isMaterialSafetyDataSheetForDyeingAvailable

Description
                   Material Safety Data Sheets for Dyeing are available.

Sub Property Of   availableInformation ^{dp}

Range   xsd:boolean

is material safety data sheet for finishing available ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isMaterialSafetyData SheetForFinishingAvailable
Description	Material Safety Data Sheets for Finishing are available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

is material safety data sheet for product available ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isMaterialSafetyData SheetForProductAvailable
Description	Material Safety Data Sheet for the product is available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

is metal contained ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isMetalContained
Description	The product contains metal.
Range	xsd:boolean

is restriced susbtance contained out of reachxvii ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isRestricedSusbtance ContainedOutOfREACHXVII
Range	xsd:boolean

is spare parts available ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isSparePartsAvailabl e
Sub Property Of	designForBetterUse ^{dp}

is technical data sheet available ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isTechnicalDataSheetAvailable
Description	The Technical Data Sheet is available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

is trims included ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isTrimsIncluded
Description	The product includes trims.
Range	xsd:boolean

is warned under california proposition65 ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/isWarnedUnderCaliforniaProposition65
Range	xsd:boolean

needs maintenance or repair ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/needsMaintenanceOrRepair
Sub Property Of	designForBetterUse ^{dp}
Range	xsd:boolean

reneable content managed in sustainable way ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/reneableContentManagedInSustainableWay
Sub Property Of	http://w3id.org/CEON/ontology/product/hasCertificate
Domain	TextileProductRenewableContent ^c
Range	xsd:boolean

without harmful dispersion or emission ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/withoutHarmfulDispersionOrEmission
Sub Property Of	designForBetterUse ^{dp}

Annotation Properties

has maximal value included of interval ^ap

IRI	http://w3id.org/CEON/ontology/quantity#hasMaximalValueIncludedOfInterval

has minimal value included of interval ^ap

IRI	http://w3id.org/CEON/ontology/quantity#hasMinimalValueIncludedOfInterval

has minimal value not included of interval ^ap

IRI	http://w3id.org/CEON/ontology/quantity#hasMinimalValueNotIncludedOfInterval

Ld Tmapping ^ap

IRI	http://w3id.org/CEON/ontology/textile/LDTmapping
Range	xsd:string

Pcd Smapping ^ap

IRI	http://w3id.org/CEON/ontology/textile/PCDSmapping

Namespaces

:

http://w3id.org/CEON/ontology/textile/

actorODP

http://w3id.org/CEON/ontology/actorODP/

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