

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/0.1/>

Version Info

0.1

Preferred Namespace Uri

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

Description

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

Classes

Regulation^c

IRI

<http://w3id.org/CEON/ontology/textile/Regulation>

Origin^c

IRI

<http://w3id.org/CEON/ontology/textile/Origin>

In Range Of

[hasOrigin](#)^{op}

Named Individuals

[original](#)ⁿⁱ

[recycled](#)ⁿⁱ

[reused](#)ⁿⁱ

Amount Interval Value^c

IRI <http://w3id.org/CEON/ontology/textile/AmountIntervalValue>

Super Class Of

[LeakageAmountInterval^c](#)
[PostConsumerRecycledContentInterval^c](#)
[PreConsumerRecycledContentInterval^c](#)
[RecyclingAtSameLevelAmountInterval^c](#)

Amount Threshold^c

IRI <http://w3id.org/CEON/ontology/textile/AmountThreshold>

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

Named Individuals

[_0.01percⁿⁱ](#)
[_0.1percⁿⁱ](#)
[_1percⁿⁱ](#)

Availability^c

IRI <http://w3id.org/CEON/ontology/textile/Availability>

Named Individuals

[publicⁿⁱ](#)
[secrecyAgreementⁿⁱ](#)

Batch Of Textile Objects^c

IRI <http://w3id.org/CEON/ontology/textile/BatchOfTextileObjects>

Sub Class Of <http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects>

Restriction [hasColor^{op}](#) some [BatchOfTextileObjects^c](#)

Chemical Finishing^c

IRI <http://w3id.org/CE0N/ontology/textile/ChemicalFinishing>

Sub Class Of [TextileFinishing^c](#)

Named Individuals

[anti-pillingⁿⁱ](#)
[antiStaticFinishingⁿⁱ](#)
[antibacterialFinishingⁿⁱ](#)
[coatingⁿⁱ](#)
[coatingAcrylicⁿⁱ](#)
[coatingPUⁿⁱ](#)
[coatingPVCⁿⁱ](#)
[creaseResistanceⁿⁱ](#)
[enzymeFinishingⁿⁱ](#)
[flameRetardantⁿⁱ](#)
[mattingAgentⁿⁱ](#)
[millWashingⁿⁱ](#)
[millingAgentⁿⁱ](#)
[naturalOilingⁿⁱ](#)
[opticalBrightenersⁿⁱ](#)
[permanentPressⁿⁱ](#)
[prepareForDyeingⁿⁱ](#)
[resinsⁿⁱ](#)
[siliconesⁿⁱ](#)
[soilReleaseⁿⁱ](#)
[stainResistanceⁿⁱ](#)

Color^c

IRI <http://w3id.org/CE0N/ontology/textile/Color>

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

Dye^c

IRI <http://w3id.org/CE0N/ontology/textile/Dye>

Sub Class Of [TextileProperty^c](#)

Named Individuals

[acidDyeⁿⁱ](#)
[analineDyeⁿⁱ](#)
[azoDyeⁿⁱ](#)
[basicDyeⁿⁱ](#)
[chromeDyeⁿⁱ](#)
[directDyeⁿⁱ](#)
[disperseDyeⁿⁱ](#)
[mordantDyeⁿⁱ](#)
[narturalDyeⁿⁱ](#)
[pigmentBiosyntheticⁿⁱ](#)
[pigmentNaturalⁿⁱ](#)
[pigmentSyntheticⁿⁱ](#)
[reactiveDyeⁿⁱ](#)
[vatDyeⁿⁱ](#)

Dyeing Process^C

IRI <http://w3id.org/CE0N/ontology/textile/DyeingProcess>

Sub Class Of [TextileManufacturingProcess^C](#)

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

Leakage Amount Interval^C

IRI <http://w3id.org/CE0N/ontology/textile/LeakageAmountInterval>

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [_10to25Percⁿⁱ](#)
- [_1to10Percⁿⁱ](#)
- [_25to50Percⁿⁱ](#)
- [_50-75Percⁿⁱ](#)
- [_75to95Percⁿⁱ](#)
- [_above95Percⁿⁱ](#)
- [_lessThan1Percⁿⁱ](#)

Mechanical Finishing^C

IRI <http://w3id.org/CE0N/ontology/textile/MechanicalFinishing>

Sub Class Of [TextileFinishing^C](#)

Named Individuals

- [_calenderingⁿⁱ](#)
- [_embossingⁿⁱ](#)
- [_permanentCreasingⁿⁱ](#)
- [_pre-shrinkingⁿⁱ](#)
- [_steamingⁿⁱ](#)
- [_suedingⁿⁱ](#)

Post Consumer Recycled Content Interval^C

IRI <http://w3id.org/CE0N/ontology/textile/PostConsumerRecycledContentInterval>

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [_0percⁿⁱ](#)
- [_0to10Percⁿⁱ](#)
- [_10to25Percⁿⁱ](#)
- [_25to50Percⁿⁱ](#)
- [_50-75Percⁿⁱ](#)
- [_75to95Percⁿⁱ](#)
- [_above95Percⁿⁱ](#)

Pre Consumer Recycled Content Interval^C

IRI <http://w3id.org/CEON/ontology/textile/PreConsumerRecycledContentInterval>

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [_0percⁿⁱ](#)
- [_0to10Percⁿⁱ](#)
- [_10to25Percⁿⁱ](#)
- [_25to50Percⁿⁱ](#)
- [_50-75Percⁿⁱ](#)
- [_75to95Percⁿⁱ](#)
- [above95Percⁿⁱ](#)

Print^C

IRI <http://w3id.org/CEON/ontology/textile/Print>

Sub Class Of <http://w3id.org/CEON/ontology/resourceODP/Constituent>

Print Stuff^C

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

Sub Class Of <http://w3id.org/CEON/ontology/resourceODP/Matter>

Named Individuals

- [acidDyeⁿⁱ](#)
- [analineDyeⁿⁱ](#)
- [azoDyeⁿⁱ](#)
- [basicDyeⁿⁱ](#)
- [chromeDyeⁿⁱ](#)
- [directDyeⁿⁱ](#)
- [disperseDyeⁿⁱ](#)
- [mordantDyeⁿⁱ](#)
- [narturalDyeⁿⁱ](#)
- [pigmentBiosyntheticⁿⁱ](#)
- [pigmentNaturalⁿⁱ](#)
- [pigmentSyntheticⁿⁱ](#)
- [reactiveDyeⁿⁱ](#)
- [sulfurDyeⁿⁱ](#)
- [vatDyeⁿⁱ](#)

Printing Process^C

IRI <http://w3id.org/CEON/ontology/textile/PrintingProcess>

Sub Class Of [TextileManufacturingProcess^C](#)

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

Named Individuals

- [batikPrintedⁿⁱ](#)
- [digitalPrintedⁿⁱ](#)
- [handPaintedⁿⁱ](#)
- [inkjetPrintedⁿⁱ](#)
- [rollerPrintedⁿⁱ](#)
- [screenPrintedⁿⁱ](#)
- [transferPrintedⁿⁱ](#)

Recycling At Same Level Amount Interval^C

IRI <http://w3id.org/CEON/ontology/textile/RecyclingAtSameLevelAmountInterval>

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [_0percⁿⁱ](#)
- [_0to10Percⁿⁱ](#)
- [_10to25Percⁿⁱ](#)
- [_25to50Percⁿⁱ](#)
- [_50-75Percⁿⁱ](#)
- [_75to95Percⁿⁱ](#)
- [_95to99Percⁿⁱ](#)
- [above99Percⁿⁱ](#)

Textile Chemical Substance Threshold Statement^C

IRI <http://w3id.org/CEON/ontology/textile/TextileChemicalSubstanceThresholdStatement>

Sub Class Of [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

- [hasProperty^{op}](#) some [TextileDataSheet^C](#)
- <http://w3id.org/CEON/ontology/resourceODP/isAbout> 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/provenance/Statement
Super Class Of	TextileChemicalSubstanceThresholdStatement^C TextileDataSheetIssuingStatement^C TextileDataSheetUpdateStatement^C TextileManufacturerStatement^C TextileManufacturingSiteStatement^C TextileProductCertification^C TextileProductComponentRelation^C TextileProductCompositionDisclosureStatement^C TextileProductCompositionOfConcern^C TextileProductCompositionWeightFraction^C TextileProductDataSheet^C TextileProductDesignForDisassembly^C TextileProductDesignForRecycling^C TextileProductDesignForRefurbishment^C TextileProductDesignForRemanufacturing^C TextileProductDesignForReuseMethod^C TextileProductDesignedForBetterUse^C TextileProductManufacturingMethod^C TextileProductMatterCompositionRelation^C TextileProductRecycledContent^C TextileProductRenewableContent^C

Textile Data Sheet Update Statement^C

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

Textile Finishing^C

IRI	http://w3id.org/CEON/ontology/textile/TextileFinishing
Sub Class Of	TextileProperty^C
In Range Of	hasFinishing^{op}
Super Class Of	ChemicalFinishing^C MechanicalFinishing^C

Textile Manufacturer Statement^C

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

Textile Manufacturing Process^C

IRI	http://w3id.org/CEON/ontology/textile/TextileManufacturingProcess
In Range Of	hasTextileManufacturingProcess^{op}
Super Class Of	DyeingProcess^C PrintingProcess^C
Named Individuals	directDyedⁿⁱ dopeDyedⁿⁱ pieceDyedⁿⁱ topDyedⁿⁱ undyedⁿⁱ yarnDyedⁿⁱ

Textile Manufacturing Site Statement^C

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

Textile Product^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProduct
Sub Class Of	http://w3id.org/CEON/ontology/product/Product
In Domain Of	hasTextileProductType^{op}
Restriction	hasColor^{op} some TextileProduct^C hasTextileProductType^{op} some TextileProduct^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>
[TextileDataSheetStatement^C](#)
<http://w3id.org/CEON/ontology/actorODP/ResourceParticipation>
<http://w3id.org/CEON/ontology/actorODP/participatingObject> some
[http://w3id.org/CEON/ontology/resourceODP/Constituent^C](http://w3id.org/CEON/ontology/resourceODP/Constituent) and
<http://w3id.org/CEON/ontology/actorODP/participatingSubject> some
[TextileProduct^C](#) and <http://qudt.org/schema/qudt/hasUnit> some
[http://qudt.org/schema/qudt/Unit^C](http://qudt.org/schema/qudt/Unit) and
<http://qudt.org/schema/qudt/numericalValue> some
[nabeff1788a08445c9124e359d903e540b15^C](http://w3id.org/CEON/ontology/textile/TextileProductComponentRelation#nabeff1788a08445c9124e359d903e540b15)

Textile Product Composition Disclosure Statement^C

IRI <http://w3id.org/CEON/ontology/textile/TextileProductCompositionDisclosureStatement>

Sub Class Of [TextileDataSheetStatement^C](#)

In Range Of [chemicalSubstanceDisclosureThreshold^{OP}](#)

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/CE0N/ontology/textile/TextileProductDesignForDisassembly
<u>Sub Class Of</u>	TextileDataSheetStatement^C
<u>Super Class Of</u>	TextileProductDesignToBeCleanlyRemoved^C TextileProductDesignToBeDismantled^C

Textile Product Design For Recycling^C

IRI	http://w3id.org/CE0N/ontology/textile/TextileProductDesignForRecycling
<u>Sub Class Of</u>	TextileDataSheetStatement^C
<u>In Range Of</u>	desinged for recycling at the same level of quality^{OP}
<u>Restriction</u>	recyclingAtSameQualityRange^{OP} some TextileProductDesignForRecycling^C

Textile Product Design For Refurbishment^C

IRI	http://w3id.org/CE0N/ontology/textile/TextileProductDesignForRefurbishment
<u>Sub Class Of</u>	TextileDataSheetStatement^C

Textile Product Design For Remanufacturing^C

IRI	http://w3id.org/CE0N/ontology/textile/TextileProductDesignForRemanufacturing
<u>Sub Class Of</u>	TextileDataSheetStatement^C

Textile Product Design For Reuse Method^C

IRI	http://w3id.org/CE0N/ontology/textile/TextileProductDesignForReuseMethod
<u>Sub Class Of</u>	TextileDataSheetStatement^C

Textile Product Design To Be Cleanly Removed^C

IRI	http://w3id.org/CE0N/ontology/textile/TextileProductDesignToBeCleanlyRemoved
<u>Sub Class Of</u>	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](#)

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>
[TextileDataSheetStatement^C](#)
<http://w3id.org/CEON/ontology/actorODP/ResourceParticipation>
<http://w3id.org/CEON/ontology/actorODP/participatingObject> some
<http://w3id.org/CEON/ontology/resourceODP/Matter>^C and
<http://w3id.org/CEON/ontology/actorODP/participatingSubject> some
[nabeff1788a08445c9124e359d903e540b26^C](#)

Textile Product Object^C

IRI <http://w3id.org/CEON/ontology/textile/TextileProductObject>

Sub Class Of <http://w3id.org/CEON/ontology/product/ProductObject>

Restriction [hasColor^{op}](#) some [TextileProductObject^C](#)

Textile Product Recycled Content^C

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

Sub Class Of <http://qudt.org/schema/qudt/Quantity>
[TextileDataSheetStatement^C](#)
<http://w3id.org/CEON/ontology/actorODP/ResourceParticipation>
<http://qudt.org/schema/qudt/numericalValue> some
[nabeff1788a08445c9124e359d903e540b39^C](#) and
<http://w3id.org/CEON/ontology/provenance/statementAbout> some
[nabeff1788a08445c9124e359d903e540b35^C](#) and
<http://qudt.org/schema/qudt/hasUnit> some <http://qudt.org/schema/qudt/Unit>^C

Textile Product Renewable Contet^C

IRI <http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContet>

Sub Class Of [TextileDataSheetStatement^C](#)

Textile Product Type^C

IRI <http://w3id.org/CE0N/ontology/textile/TextileProductType>

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

Textile Property^C

IRI <http://w3id.org/CE0N/ontology/textile/TextileProperty>

Super Class Of
[Dye^C](#)
[TextileFinishing^C](#)
[WaterProperty^C](#)

Textile Recycling Process^C

IRI <http://w3id.org/CE0N/ontology/textile/TextileRecyclingProcess>

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

Named Individuals
[biodigestionⁿⁱ](#)
[biosphereCascadingⁿⁱ](#)
[homeCompostingⁿⁱ](#)
[incinerationⁿⁱ](#)
[industrialCompostingⁿⁱ](#)

Validation^C

IRI <http://w3id.org/CE0N/ontology/textile/Validation>

Named Individuals
[certifiedⁿⁱ](#)
[validatedByThirdPartyⁿⁱ](#)

Water Property^c

IRI	http://w3id.org/CEON/ontology/textile/WaterProperty
Sub Class Of	TextileProperty^c
In Range Of	Water Property^{op}
Named Individuals	Water repellentⁿⁱ Water resistantⁿⁱ Waterproofⁿⁱ

Brand Of Resource^c

IRI	http://w3id.org/CEON/ontology/textile/BrandOfResource
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^c and http://w3id.org/CEON/ontology/actorODP/participantRole value brand ^c

Reach Compliance^c

IRI	http://w3id.org/CEON/ontology/textile/REACHCompliance
Sub Class Of	http://w3id.org/CEON/ontology/product/Compliance
Equivalentclass	http://w3id.org/CEON/ontology/product/complianceWith value REACH ^c

Object Properties

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}

chemical substance disclosure threshold^{op}

IRI	http://w3id.org/CEON/ontology/textile/chemicalSubstanceDisclosureThreshold
Range	TextileProductCompositionDisclosureStatement ^c

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>

Domain [TextileChemicalSubstanceThresholdStatement^c](#)

Range [AmountThreshold^c](#)

has color^{op}

IRI <http://w3id.org/CEON/ontology/textile/hasColor>

Domain <http://w3id.org/CEON/ontology/product/ProductObject^c> *or* <http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects^c> *or* <http://w3id.org/CEON/ontology/product/Product^c>

Range [Color^c](#)

Dye Method^{op}

IRI <http://w3id.org/CEON/ontology/textile/hasDyeMethod>

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

Range [DyeingProcess^c](#)

Dye Stuff^{op}

IRI <http://w3id.org/CEON/ontology/textile/hasDyeStuff>

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

has finishing^{op}

IRI <http://w3id.org/CEON/ontology/textile/hasFinishing>

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

Range [TextileFinishing^c](#)

Finishing Step^{op}

IRI <http://w3id.org/CE0N/ontology/textile/hasFinishingStep>

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

has post consumer recycled content amount^{op}

IRI <http://w3id.org/CE0N/ontology/textile/hasPostConsumerRecycledContentAmount>

Sub Property Of <http://w3id.org/CE0N/ontology/product/hasComposition>

has pre consumer recycled content amount^{op}

IRI <http://w3id.org/CE0N/ontology/textile/hasPreConsumerRecycledContentAmount>

Sub Property Of <http://w3id.org/CE0N/ontology/product/hasComposition>

Print Finishing^{op}

IRI <http://w3id.org/CE0N/ontology/textile/hasPrintFinishing>

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

Print Method^{op}

IRI <http://w3id.org/CE0N/ontology/textile/hasPrintMethod>

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

Range [PrintingProcess^c](#)

Print Stuff^{op}

IRI <http://w3id.org/CE0N/ontology/textile/hasPrintStuff>

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

has property^{op}

IRI <http://w3id.org/CEON/ontology/textile/hasProperty>

Super Property Of

- [anticipatedLeakageDuringUse^{op}](#)
- [designed for recycling at the same level of quality^{op}](#)
- [Dye Stuff^{op}](#)
- [hasFinishing^{op}](#)
- [Print Finishing^{op}](#)
- [Print Stuff^{op}](#)
- [Water Property^{op}](#)

Domain <http://w3id.org/CEON/ontology/datasheet/DataSheet>

Range <http://w3id.org/CEON/ontology/provenance/Statement>

has textile manufacturing process^{op}

IRI <http://w3id.org/CEON/ontology/textile/hasTextileManufacturingProcess>

Super Property Of

- [Dye Method^{op}](#)
- [Finishing Step^{op}](#)
- [Print Method^{op}](#)

Range [TextileManufacturingProcess^c](#)

has textile product type^{op}

IRI <http://w3id.org/CEON/ontology/textile/hasTextileProductType>

Domain [TextileProduct^c](#)

Range [TextileProductType^c](#)

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>

product composition disclosure validation^{op}

IRI <http://w3id.org/CEON/ontology/textile/productCompositionDisclosureValidation>

recycling at same quality range^{op}

IRI	http://w3id.org/CE0N/ontology/textile/recyclingAtSameQualityRange
Sub Property Of	http://w3id.org/CE0N/ontology/quantity#objectValue

textile product design^{op}

IRI	http://w3id.org/CE0N/ontology/textile/textileProductDesign
Super Property Of	textileProductDesignForRecycling^{op}

textile product design for recycling^{op}

IRI	http://w3id.org/CE0N/ontology/textile/textileProductDesignForRecycling
Description	Product designed for a certain recycling method.
Sub Property Of	textileProductDesign^{op}
Range	TextileRecyclingProcess^c

weight fraction of disclosed substances^{op}

IRI	http://w3id.org/CE0N/ontology/textile/weightFractionOfDisclosedSubstances
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has origin^{op}

IRI	http://w3id.org/CE0N/ontology/textile/hasOrigin
Range	Origin^c

Datatype Properties

has type^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/hasType
Description	Description of the kind of product.
Range	xsd:string

contains metal^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/containsMetal>

Description The product contains metal.

Range [xsd:boolean](#)

includes trims^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/includesTrims>

Description The product includes trims.

Range [xsd:boolean](#)

production site^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/productionSite>

Description The location where the product was produced.

Range [xsd:string](#)

C Emark^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/CEmark>

Description The product has theCE mark.

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

Range [xsd:boolean](#)

available information^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/availableInformation>

Super Property Of

- [biodegradabilityTestAvailable](#)^{dp}
- [materialSafetyDataSheetAvailable](#)^{dp}
- [materialSafetyDataSheetForDyeingAvailable](#)^{dp}
- [materialSafetyDataSheetForFinishingAvailable](#)^{dp}
- [technicalDataSheetAvailable](#)^{dp}

biodegradability test available^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/biodegradabilityTestAvailable>

Description Biodegradability test is available.

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

Range [xsd:boolean](#)

certification^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/certification>

Super Property Of [CEmark^{dp}](#)

chemical compliance^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/chemicalCompliance>

collection parameter^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/collectionParameter>

Super Property Of [collectionSystem^{dp}](#)

collection system^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/collectionSystem>

Description The manufacturer/ industry association has a dedicated collection system in place to gather and deliver products for recycling.

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

Range [xsd:boolean](#)

design for properties^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/designForProperties>

Super Property Of

- [designedForRecycling^{dp}](#)
- [designedForRefurbishment^{dp}](#)
- [designedForRemanufacturing^{dp}](#)
- [designedForReuse^{dp}](#)

design for recycling amounts^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/designForRecyclingAmounts
<u>Super Property Of</u>	emissionByDesign^{dp}

designed for recycling^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/designedForRecycling
<u>Description</u>	The product is designed for recycling?
<u>Sub Property Of</u>	designForProperties^{dp}

designed for refurbishment^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/designedForRefurbishment
<u>Description</u>	The product is designed for refurbishment?
<u>Sub Property Of</u>	designForProperties^{dp}

designed for remanufacturing^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/designedForRemanufacturing
<u>Description</u>	The product is designed for remanufacturing?
<u>Sub Property Of</u>	designForProperties^{dp}

designed for reuse^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/designedForReuse
<u>Sub Property Of</u>	designForProperties^{dp}
<u>Super Property Of</u>	designedForReuseWMinimalMod^{dp}

designed for reuse w minimal mod^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/designedForReuseWMinimalMod
<u>Description</u>	The product is designed for re-use as-is or with minimal modification.
<u>Sub Property Of</u>	designedForReuse^{dp}

emission by design^{dp}

IRI	http://w3id.org/CE0N/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}

finishing steps^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/finishingSteps
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material safety data sheet available^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetAvailable
Description	Material Safety Data Sheet for the product is available.
Sub Property Of	availableInformation^{dp}
Range	xsd:boolean

material safety data sheet for dyeing available^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetForDyeingAvailable
Description	Material Safety Data Sheets for Dyeing are available.
Sub Property Of	availableInformation^{dp}
Range	xsd:boolean

material safety data sheet for finishing available^{dp}

IRI	http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetForFinishingAvailable
Description	Material Safety Data Sheets for Finishing are available.
Sub Property Of	availableInformation^{dp}
Range	xsd:boolean

technical data sheet available^{dp}

IRI <http://w3id.org/CE0N/ontology/textile/technicalDataSheetAvailable>

Description The Technical Data Sheet is available.

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

Range [xsd:boolean](#)

Annotation Properties

C Fmapping^{ap}

IRI <http://w3id.org/CE0N/ontology/textile/CFmapping>

Pcd Smapping^{ap}

IRI <http://w3id.org/CE0N/ontology/textile/PCDSmapping>

Namespaces

:

<http://w3id.org/CE0N/ontology/textile/>

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

