

Circular Economy Ontology Network (CEON) - Textile Module

Metadata

IRI

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

Title

Circular Economy Ontology Network (CEON) - Textile Module

Creator

Eva Blomqvist

Contributor

Huanyu Li

Mikael Lindecrantz

Robin Keskisärkkä

License

<https://creativecommons.org/licenses/by/4.0/>

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

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 [0.01%ⁿⁱ](#)
[0.1%ⁿⁱ](#)
[1%ⁿⁱ](#)

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/CEON/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/CEON/ontology/textile/Color>

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

Dye^C

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

Sub Class Of [TextileManufacturingProcess^C](#)

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

Leakage Amount Interval^C

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

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [10-25%ⁿⁱ](#)
- [1-10%ⁿⁱ](#)
- [25-50%ⁿⁱ](#)
- [50-75%ⁿⁱ](#)
- [75-95%ⁿⁱ](#)
- [>95%ⁿⁱ](#)
- [lessThan1Percⁿⁱ](#)

Mechanical Finishing^C

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

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [0%ⁿⁱ](#)
- [0-10%ⁿⁱ](#)
- [10-25%ⁿⁱ](#)
- [25-50%ⁿⁱ](#)
- [50-75%ⁿⁱ](#)
- [75-95%ⁿⁱ](#)
- [>95%ⁿⁱ](#)

Pre Consumer Recycled Content Interval^C

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

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [0%ⁿⁱ](#)
- [0-10%ⁿⁱ](#)
- [10-25%ⁿⁱ](#)
- [25-50%ⁿⁱ](#)
- [50-75%ⁿⁱ](#)
- [75-95%ⁿⁱ](#)
- [>95%ⁿⁱ](#)

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

- [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 [TextileManufacturingProcess](#)^C

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

Named Individuals

- [batikPrinted](#)ⁿⁱ
- [digitalPrinted](#)ⁿⁱ
- [handPainted](#)ⁿⁱ
- [inkjetPrinted](#)ⁿⁱ
- [rollerPrinted](#)ⁿⁱ
- [screenPrinted](#)ⁿⁱ
- [transferPrinted](#)ⁿⁱ

Recycling At Same Level Amount Interval^C

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

Sub Class Of [AmountIntervalValue^C](#)

Named Individuals

- [0%ⁿⁱ](#)
- [0-10%ⁿⁱ](#)
- [10-25%ⁿⁱ](#)
- [25-50%ⁿⁱ](#)
- [50-75%ⁿⁱ](#)
- [75-95%ⁿⁱ](#)
- [95-99%ⁿⁱ](#)
- [>99%ⁿⁱ](#)

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](#)
- [TextileProductRenewableContet^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
[dyeing process^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://qudt.org/schema/qudt/hasUnit some <a href="http://qudt.org/schema/qudt/Unit<sup>c</sup>">http://qudt.org/schema/qudt/Unit^c and http://w3id.org/CEON/ontology/actorODP/participatingObject some <a href="http://w3id.org/CEON/ontology/resourceODP/Constituent<sup>c</sup>">http://w3id.org/CEON/ontology/resourceODP/Constituent^c and http://qudt.org/schema/qudt/numericalValue some <a href="n5bd24d49bc0f4eddb35f269e270af808b15<sup>c</sup>">n5bd24d49bc0f4eddb35f269e270af808b15^c and http://w3id.org/CEON/ontology/actorODP/participatingSubject some TextileProduct^c

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/CEON/ontology/textile/TextileProductDesignForDisassembly
Sub Class Of	TextileDataSheetStatement^C
Super Class Of	TextileProductDesignToBeCleanlyRemoved^C TextileProductDesignToBeDismantled^C

Textile Product Design For Recycling^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignForRecycling
Sub Class Of	TextileDataSheetStatement^C
In Range Of	desinged for recycling at the same level of quality^{Op}
Restriction	recyclingAtSameQualityRange^{Op} 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](#)

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
[n5bd24d49bc0f4eddb35f269e270af808b26^C](http://w3id.org/CEON/ontology/actorODP/participatingSubject)

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://w3id.org/CEON/ontology/provenance/statementAbout> some
[n5bd24d49bc0f4eddb35f269e270af808b35^c](#) *and*
<http://qudt.org/schema/qudt/hasUnit> some <http://qudt.org/schema/qudt/Unit^c> *and*
<http://qudt.org/schema/qudt/numericalValue> some
[n5bd24d49bc0f4eddb35f269e270af808b39^c](#)

Textile Product Renewable Contet^c

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

Sub Class Of [TextileDataSheetStatement^c](#)

Textile Product Type^c

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

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

Textile Property^c

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

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

Textile Recycling Process^c

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

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

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

Validation^c

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

Named Individuals

[certified](#)ⁿⁱ

[validatedByThirdParty](#)ⁿⁱ

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 repellent](#)ⁿⁱ

[Water resistant](#)ⁿⁱ

[Waterproof](#)ⁿⁱ

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	<a href="http://w3id.org/CEON/ontology/product/Product<sup>c</sup>">http://w3id.org/CEON/ontology/product/Product^c <i>or</i> <a href="http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects<sup>c</sup>">http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects^c <i>or</i> <a href="http://w3id.org/CEON/ontology/product/ProductObject<sup>c</sup>">http://w3id.org/CEON/ontology/product/ProductObject^c
Range	Color^c

Dye Method^{op}

IRI	http://w3id.org/CEON/ontology/textile/hasDyeMethod
Sub Property Of	hasTextileManufacturingProcess^{op}
Range	dyeing process^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/CEON/ontology/textile/hasFinishingStep>

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

has post consumer recycled content amount^{op}

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

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

has pre consumer recycled content amount^{op}

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

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}](#)

Print Method^{op}

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

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

Range [PrintingProcess^c](#)

Print Stuff^{op}

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

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

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}](#)
- [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>

Description A product composition disclosed at the defined threshold is publicly available or a product composition disclosed at the defined threshold is available to the customer under secrecy agreement.

product composition disclosure validation^{op}

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

Description The product composition disclosed at the defined threshold has been validated by a third party or the product has been awarded an independent certification or standard related to its composition.

recycling at same quality range^{op}

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

Sub Property Of <http://w3id.org/CEON/ontology/quantity#objectValue>

textile product design^{op}

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

Super Property Of [textileProductDesignForRecycling^{op}](#)

textile product design for recycling^{op}

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

Description The weight fraction of all disclosed chemical substances is 0%, 0-10%, 10-25%, 25-50%, 50-75%, 75-95%, 95-99%, over 99%.

Datatype Properties

C Emark^{dp}

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

Description The product has theCE mark.

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

Range [xsd:boolean](#)

available information^{dp}

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

Super Property Of

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

biodegradability test available^{dp}

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

Description Biodegradability test is available.

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

Range [xsd:boolean](#)

certification^{dp}

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

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

chemical compliance^{dp}

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

collection parameter^{dp}

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

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

collection system^{dp}

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

Super Property Of

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

design for recycling amounts^{dp}

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

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

designed for recycling^{dp}

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

Description

The product is designed for recycling?

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

designed for refurbishment^{dp}

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

Description

The product is desinged for refurbishment?

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

designed for remanufacturing^{dp}

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

Description

The product is designed for remanufacturing?

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

designed for reuse^{dp}

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

Description The product is designed for reused?

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

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

designed for reuse w minimal mod^{dp}

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

Description The product is designed for re-use as-is or with minimal modification.

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

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}](#)

finishing steps^{dp}

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

material safety data sheet available^{dp}

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

Pcd Smapping^{ap}

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

Namespaces

:

<http://w3id.org/CEON/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