

# 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 <sup>c</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/textile/Regulation">http://w3id.org/CEON/ontology/textile/Regulation</a>

Origin <sup>c</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/textile/Origin">http://w3id.org/CEON/ontology/textile/Origin</a>
<u>In Range Of</u>	<a href="#">hasOrigin</a> <sup>op</sup>
<u>Named Individuals</u>	<a href="#">original</a> <sup>ni</sup> <a href="#">recycled</a> <sup>ni</sup> <a href="#">reused</a> <sup>ni</sup>

## Amount Interval Value<sup>C</sup>

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

**Super Class Of** [LeakageAmountInterval<sup>C</sup>](#)  
[PostConsumerRecycledContentInterval<sup>C</sup>](#)  
[PreConsumerRecycledContentInterval<sup>C</sup>](#)  
[RecyclingAtSameLevelAmountInterval<sup>C</sup>](#)

## Amount Threshold<sup>C</sup>

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

**In Range Of** [disclosureValue<sup>op</sup>](#)

**Named Individuals** [\\_0.01perc<sup>ni</sup>](#)  
[\\_0.1perc<sup>ni</sup>](#)  
[\\_1perc<sup>ni</sup>](#)

## Availability<sup>C</sup>

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

**Named Individuals** [public<sup>ni</sup>](#)  
[secrecyAgreement<sup>ni</sup>](#)

## Batch Of Textile Objects<sup>C</sup>

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

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

**Restriction** [hasColor<sup>op</sup>](#) some [BatchOfTextileObjects<sup>C</sup>](#)

Chemical Finishing<sup>C</sup>

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

**Sub Class Of** [TextileFinishing<sup>C</sup>](#)

**Named Individuals**

- [anti-pilling<sup>ni</sup>](#)
- [antiStaticFinishing<sup>ni</sup>](#)
- [antibacterialFinishing<sup>ni</sup>](#)
- [coating<sup>ni</sup>](#)
- [coatingAcrylic<sup>ni</sup>](#)
- [coatingPU<sup>ni</sup>](#)
- [coatingPVC<sup>ni</sup>](#)
- [creaseResistance<sup>ni</sup>](#)
- [enzymeFinishing<sup>ni</sup>](#)
- [flameRetardant<sup>ni</sup>](#)
- [mattingAgent<sup>ni</sup>](#)
- [millWashing<sup>ni</sup>](#)
- [millingAgent<sup>ni</sup>](#)
- [naturalOiling<sup>ni</sup>](#)
- [opticalBrighteners<sup>ni</sup>](#)
- [permanentPress<sup>ni</sup>](#)
- [prepareForDyeing<sup>ni</sup>](#)
- [resins<sup>ni</sup>](#)
- [silicones<sup>ni</sup>](#)
- [soilRelease<sup>ni</sup>](#)
- [stainResistance<sup>ni</sup>](#)

Color<sup>C</sup>

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

**In Range Of** [hasColor<sup>op</sup>](#)

## Dye<sup>C</sup>

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

**Sub Class Of** [TextileProperty<sup>C</sup>](#)

**Named Individuals**

- [acidDye<sup>ni</sup>](#)
- [analineDye<sup>ni</sup>](#)
- [azoDye<sup>ni</sup>](#)
- [basicDye<sup>ni</sup>](#)
- [chromeDye<sup>ni</sup>](#)
- [directDye<sup>ni</sup>](#)
- [disperseDye<sup>ni</sup>](#)
- [mordantDye<sup>ni</sup>](#)
- [narturalDye<sup>ni</sup>](#)
- [pigmentBiosynthetic<sup>ni</sup>](#)
- [pigmentNatural<sup>ni</sup>](#)
- [pigmentSynthetic<sup>ni</sup>](#)
- [reactiveDye<sup>ni</sup>](#)
- [vatDye<sup>ni</sup>](#)

## Dyeing Process<sup>C</sup>

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

**Sub Class Of** [TextileManufacturingProcess<sup>C</sup>](#)

**In Range Of** [Dye Method<sup>op</sup>](#)

## Leakage Amount Interval<sup>C</sup>

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

**Sub Class Of** [AmountIntervalValue<sup>C</sup>](#)

**Named Individuals**

- [\\_10to25Perc<sup>ni</sup>](#)
- [\\_1to10Perc<sup>ni</sup>](#)
- [\\_25to50Perc<sup>ni</sup>](#)
- [\\_50-75Perc<sup>ni</sup>](#)
- [\\_75to95Perc<sup>ni</sup>](#)
- [above95Perc<sup>ni</sup>](#)
- [lessThan1Perc<sup>ni</sup>](#)

## Mechanical Finishing<sup>C</sup>

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

**Sub Class Of** [TextileFinishing<sup>C</sup>](#)

**Named Individuals**

- [calendering<sup>ni</sup>](#)
- [embossing<sup>ni</sup>](#)
- [permanentCreasing<sup>ni</sup>](#)
- [pre-shrinking<sup>ni</sup>](#)
- [steaming<sup>ni</sup>](#)
- [sueding<sup>ni</sup>](#)

## Post Consumer Recycled Content Interval<sup>C</sup>

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

**Sub Class Of** [AmountIntervalValue<sup>C</sup>](#)

**Named Individuals**

- [\\_0perc<sup>ni</sup>](#)
- [\\_0to10Perc<sup>ni</sup>](#)
- [\\_10to25Perc<sup>ni</sup>](#)
- [\\_25to50Perc<sup>ni</sup>](#)
- [\\_50-75Perc<sup>ni</sup>](#)
- [\\_75to95Perc<sup>ni</sup>](#)
- [above95Perc<sup>ni</sup>](#)

## Pre Consumer Recycled Content Interval<sup>C</sup>

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

**Sub Class Of** [AmountIntervalValue<sup>C</sup>](#)

**Named Individuals**

- [\\_0perc<sup>ni</sup>](#)
- [\\_0to10Perc<sup>ni</sup>](#)
- [\\_10to25Perc<sup>ni</sup>](#)
- [\\_25to50Perc<sup>ni</sup>](#)
- [\\_50-75Perc<sup>ni</sup>](#)
- [\\_75to95Perc<sup>ni</sup>](#)
- [above95Perc<sup>ni</sup>](#)

## Print<sup>C</sup>

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

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

## Print Stuff<sup>C</sup>

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

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

**Named Individuals**

- [acidDye](#)<sup>ni</sup>
- [analineDye](#)<sup>ni</sup>
- [azoDye](#)<sup>ni</sup>
- [basicDye](#)<sup>ni</sup>
- [chromeDye](#)<sup>ni</sup>
- [directDye](#)<sup>ni</sup>
- [disperseDye](#)<sup>ni</sup>
- [mordantDye](#)<sup>ni</sup>
- [narturalDye](#)<sup>ni</sup>
- [pigmentBiosynthetic](#)<sup>ni</sup>
- [pigmentNatural](#)<sup>ni</sup>
- [pigmentSynthetic](#)<sup>ni</sup>
- [reactiveDye](#)<sup>ni</sup>
- [sulfurDye](#)<sup>ni</sup>
- [vatDye](#)<sup>ni</sup>

## Printing Process<sup>C</sup>

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

**Sub Class Of** [TextileManufacturingProcess](#)<sup>C</sup>

**In Range Of** [Print Method](#)<sup>op</sup>

**Named Individuals**

- [batikPrinted](#)<sup>ni</sup>
- [digitalPrinted](#)<sup>ni</sup>
- [handPainted](#)<sup>ni</sup>
- [inkjetPrinted](#)<sup>ni</sup>
- [rollerPrinted](#)<sup>ni</sup>
- [screenPrinted](#)<sup>ni</sup>
- [transferPrinted](#)<sup>ni</sup>

## Recycling At Same Level Amount Interval<sup>C</sup>

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

**Sub Class Of** [AmountIntervalValue<sup>C</sup>](#)

**Named Individuals**

- [\\_0perc<sup>ni</sup>](#)
- [\\_0to10Perc<sup>ni</sup>](#)
- [\\_10to25Perc<sup>ni</sup>](#)
- [\\_25to50Perc<sup>ni</sup>](#)
- [\\_50-75Perc<sup>ni</sup>](#)
- [\\_75to95Perc<sup>ni</sup>](#)
- [\\_95to99Perc<sup>ni</sup>](#)
- [above99Perc<sup>ni</sup>](#)

## Textile Chemical Substance Threshold Statement<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

**In Domain Of** [disclosureValue<sup>op</sup>](#)

## Textile Data Sheet<sup>C</sup>

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

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

**Restriction**

[hasProperty<sup>op</sup>](#) some [TextileDataSheet<sup>C</sup>](#)  
<http://w3id.org/CEON/ontology/resourceODP/isAbout> some [TextileDataSheet<sup>C</sup>](#)

## Textile Data Sheet Issuing Statement<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Data Sheet Statement<sup>C</sup>

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

**Sub Class Of** <http://w3id.org/CEON/ontology/provenance/Statement>

**Super Class Of**

- [TextileChemicalSubstanceThresholdStatement<sup>C</sup>](#)
- [TextileDataSheetIssuingStatement<sup>C</sup>](#)
- [TextileDataSheetUpdateStatement<sup>C</sup>](#)
- [TextileManufacturerStatement<sup>C</sup>](#)
- [TextileManufacturingSiteStatement<sup>C</sup>](#)
- [TextileProductCertification<sup>C</sup>](#)
- [TextileProductComponentRelation<sup>C</sup>](#)
- [TextileProductCompositionDisclosureStatement<sup>C</sup>](#)
- [TextileProductCompositionOfConcern<sup>C</sup>](#)
- [TextileProductCompositionWeightFraction<sup>C</sup>](#)
- [TextileProductDataSheet<sup>C</sup>](#)
- [TextileProductDesignForDisassembly<sup>C</sup>](#)
- [TextileProductDesignForRecycling<sup>C</sup>](#)
- [TextileProductDesignForRefurbishment<sup>C</sup>](#)
- [TextileProductDesignForRemanufacturing<sup>C</sup>](#)
- [TextileProductDesignForReuseMethod<sup>C</sup>](#)
- [TextileProductDesignedForBetterUse<sup>C</sup>](#)
- [TextileProductManufacturingMethod<sup>C</sup>](#)
- [TextileProductMatterCompositionRelation<sup>C</sup>](#)
- [TextileProductRecycledContent<sup>C</sup>](#)
- [TextileProductRenewableContet<sup>C</sup>](#)

## Textile Data Sheet Update Statement<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Finishing<sup>C</sup>

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

**Sub Class Of** [TextileProperty<sup>C</sup>](#)

**In Range Of** [hasFinishing<sup>op</sup>](#)

**Super Class Of**

- [ChemicalFinishing<sup>C</sup>](#)
- [MechanicalFinishing<sup>C</sup>](#)



## Textile Manufacturer Statement<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Manufacturing Process<sup>C</sup>

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

**In Range Of** [hasTextileManufacturingProcess<sup>op</sup>](#)

**Super Class Of**  
[DyeingProcess<sup>C</sup>](#)  
[PrintingProcess<sup>C</sup>](#)

**Named Individuals**  
[directDyed<sup>ni</sup>](#)  
[dopeDyed<sup>ni</sup>](#)  
[pieceDyed<sup>ni</sup>](#)  
[topDyed<sup>ni</sup>](#)  
[undyed<sup>ni</sup>](#)  
[yarnDyed<sup>ni</sup>](#)

## Textile Manufacturing Site Statement<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Product<sup>C</sup>

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

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

**In Domain Of** [hasTextileProductType<sup>op</sup>](#)

**Restriction**  
[hasColor<sup>op</sup>](#) some [TextileProduct<sup>C</sup>](#)  
[hasTextileProductType<sup>op</sup>](#) some [TextileProduct<sup>C</sup>](#)

## Textile Product Certification<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Product Component Relation<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductComponentRelation">http://w3id.org/CEON/ontology/textile/TextileProductComponentRelation</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <a href="#">TextileDataSheetStatement<sup>c</sup></a> <a href="http://w3id.org/CEON/ontology/actorODP/ResourceParticipation">http://w3id.org/CEON/ontology/actorODP/ResourceParticipation</a> <a href="http://w3id.org/CEON/ontology/actorODP/participatingObject">http://w3id.org/CEON/ontology/actorODP/participatingObject</a> some <a href="http://w3id.org/CEON/ontology/resourceODP/Constituent">http://w3id.org/CEON/ontology/resourceODP/Constituent<sup>c</sup></a> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit<sup>c</sup></a> and <a href="http://qudt.org/schema/qudt/numericalValue">http://qudt.org/schema/qudt/numericalValue</a> some <a href="http://w3id.org/CEON/ontology/actorODP/participatingSubject">n2e0b109b42454336b40166009df7bfafb15<sup>c</sup></a> and <a href="http://w3id.org/CEON/ontology/actorODP/participatingSubject">http://w3id.org/CEON/ontology/actorODP/participatingSubject</a> some <a href="#">TextileProduct<sup>c</sup></a>

## Textile Product Composition Disclosure Statement<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductCompositionDisclosureStatement">http://w3id.org/CEON/ontology/textile/TextileProductCompositionDisclosureStatement</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>c</sup></a>
<b>In Range Of</b>	<a href="#">chemicalSubstanceDisclosureThreshold<sup>op</sup></a>

## Textile Product Composition Of Concern<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductCompositionOfConcern">http://w3id.org/CEON/ontology/textile/TextileProductCompositionOfConcern</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>c</sup></a>

## Textile Product Composition Weight Fraction<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductCompositionWeightFraction">http://w3id.org/CEON/ontology/textile/TextileProductCompositionWeightFraction</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>c</sup></a>

## Textile Product Data Sheet<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDataSheet">http://w3id.org/CEON/ontology/textile/TextileProductDataSheet</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>c</sup></a>

## Textile Product Design For Disassembly<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDesignForDisassembly">http://w3id.org/CEON/ontology/textile/TextileProductDesignForDisassembly</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>
<b>Super Class Of</b>	<a href="#">TextileProductDesignToBeCleanlyRemoved<sup>C</sup></a> <a href="#">TextileProductDesignToBeDismantled<sup>C</sup></a>

## Textile Product Design For Recycling<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDesignForRecycling">http://w3id.org/CEON/ontology/textile/TextileProductDesignForRecycling</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>
<b>In Range Of</b>	<a href="#">desinged for recycling at the same level of quality<sup>Op</sup></a>
<b>Restriction</b>	<a href="#">recyclingAtSameQualityRange<sup>Op</sup></a> some <a href="#">TextileProductDesignForRecycling<sup>C</sup></a>

## Textile Product Design For Refurbishment<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDesignForRefurbishment">http://w3id.org/CEON/ontology/textile/TextileProductDesignForRefurbishment</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>

## Textile Product Design For Remanufacturing<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDesignForRemanufacturing">http://w3id.org/CEON/ontology/textile/TextileProductDesignForRemanufacturing</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>

## Textile Product Design For Reuse Method<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDesignForReuseMethod">http://w3id.org/CEON/ontology/textile/TextileProductDesignForReuseMethod</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>

## Textile Product Design To Be Cleanly Removed<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDesignToBeCleanlyRemoved">http://w3id.org/CEON/ontology/textile/TextileProductDesignToBeCleanlyRemoved</a>
<b>Sub Class Of</b>	<a href="#">TextileProductDesignForDisassembly<sup>C</sup></a>

## Textile Product Design To Be Dismantled<sup>C</sup>

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

**Sub Class Of** [TextileProductDesignForDisassembly<sup>C</sup>](#)

## Textile Product Designed For Better Use<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Product Manufacturing Method<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Product Matter Composition Relation<sup>C</sup>

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

**Sub Class Of** <http://qudt.org/schema/qudt/Quantity>  
[TextileDataSheetStatement<sup>C</sup>](#)  
<http://w3id.org/CEON/ontology/actorODP/ResourceParticipation>  
<http://w3id.org/CEON/ontology/actorODP/participatingSubject> some  
[n2e0b109b42454336b40166009df7bfafb26<sup>C</sup>](#) and  
<http://w3id.org/CEON/ontology/actorODP/participatingObject> some  
<http://w3id.org/CEON/ontology/resourceODP/Matter<sup>C</sup>>

## Textile Product Object<sup>C</sup>

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

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

**Restriction** [hasColor<sup>op</sup>](#) some [TextileProductObject<sup>C</sup>](#)

## Textile Product Recycled Content<sup>C</sup>

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

**Sub Class Of** <http://qudt.org/schema/qudt/Quantity>  
[TextileDataSheetStatement<sup>C</sup>](#)  
<http://w3id.org/CEON/ontology/actorODP/ResourceParticipation>  
<http://qudt.org/schema/qudt/numericalValue> some  
[n2e0b109b42454336b40166009df7bfafb39<sup>C</sup>](#) and  
<http://qudt.org/schema/qudt/hasUnit> some <http://qudt.org/schema/qudt/Unit<sup>C</sup>> and  
<http://w3id.org/CEON/ontology/provenance/statementAbout> some  
[n2e0b109b42454336b40166009df7bfafb35<sup>C</sup>](#)

## Textile Product Renewable Contet<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</sup>](#)

## Textile Product Type<sup>C</sup>

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

**In Range Of** [hasTextileProductType<sup>op</sup>](#)

## Textile Property<sup>C</sup>

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

**Super Class Of** [Dye<sup>C</sup>](#)  
[TextileFinishing<sup>C</sup>](#)  
[WaterProperty<sup>C</sup>](#)

## Textile Recycling Process<sup>C</sup>

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

**In Range Of** [textileProductDesignForRecycling<sup>op</sup>](#)

**Named Individuals** [biodigestion<sup>ni</sup>](#)  
[biosphereCascading<sup>ni</sup>](#)  
[homeComposting<sup>ni</sup>](#)  
[incineration<sup>ni</sup>](#)  
[industrialComposting<sup>ni</sup>](#)

## Validation<sup>c</sup>

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

### Named Individuals

[certified](#)<sup>ni</sup>

[validatedByThirdParty](#)<sup>ni</sup>

## Water Property<sup>c</sup>

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

**Sub Class Of** [TextileProperty](#)<sup>c</sup>

**In Range Of** [Water Property](#)<sup>op</sup>

### Named Individuals

[Water repellent](#)<sup>ni</sup>

[Water resistant](#)<sup>ni</sup>

[Waterproof](#)<sup>ni</sup>

## Brand Of Resource<sup>c</sup>

**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/participantRole> value [brand](#)<sup>c</sup> *and* <http://w3id.org/CEON/ontology/actorODP/ResourceRelation><sup>c</sup>

## Reach Compliance<sup>c</sup>

**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](#)<sup>c</sup>

## Object Properties

### anticipated leakage during use<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/anticipatedLeakageDuringUse">http://w3id.org/CEON/ontology/textile/anticipatedLeakageDuringUse</a>
<b>Description</b>	Percentage of the product content anticipated to become leakage during the use phase due to for example wear & tear, oxidation, erosion, etc.
<b>Sub Property Of</b>	<a href="#">hasProperty<sup>op</sup></a>

### chemical substance disclosure threshold<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/chemicalSubstanceDisclosureThreshold">http://w3id.org/CEON/ontology/textile/chemicalSubstanceDisclosureThreshold</a>
<b>Range</b>	<a href="#">TextileProductCompositionDisclosureStatement<sup>c</sup></a>

### designed for recycling at the same level of quality<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/designedForRecyclingAtSameQuality">http://w3id.org/CEON/ontology/textile/designedForRecyclingAtSameQuality</a>
<b>Description</b>	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.
<b>Sub Property Of</b>	<a href="#">hasProperty<sup>op</sup></a>
<b>Range</b>	<a href="#">TextileProductDesignForRecycling<sup>c</sup></a>

### disclosure value<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/disclosureValue">http://w3id.org/CEON/ontology/textile/disclosureValue</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/quantity#objectValue">http://w3id.org/CEON/ontology/quantity#objectValue</a>
<b>Domain</b>	<a href="#">TextileChemicalSubstanceThresholdStatement<sup>c</sup></a>
<b>Range</b>	<a href="#">AmountThreshold<sup>c</sup></a>

## has color<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasColor">http://w3id.org/CEON/ontology/textile/hasColor</a>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/product/Product">http://w3id.org/CEON/ontology/product/Product</a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects">http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects</a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/product/ProductObject">http://w3id.org/CEON/ontology/product/ProductObject</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">Color</a> <sup>c</sup>

## Dye Method<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasDyeMethod">http://w3id.org/CEON/ontology/textile/hasDyeMethod</a>
<b><u>Sub Property Of</u></b>	<a href="#">hasTextileManufacturingProcess</a> <sup>op</sup>
<b><u>Range</u></b>	<a href="#">DyeingProcess</a> <sup>c</sup>

## Dye Stuff<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasDyeStuff">http://w3id.org/CEON/ontology/textile/hasDyeStuff</a>
<b><u>Sub Property Of</u></b>	<a href="#">hasProperty</a> <sup>op</sup>

## has finishing<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasFinishing">http://w3id.org/CEON/ontology/textile/hasFinishing</a>
<b><u>Sub Property Of</u></b>	<a href="#">hasProperty</a> <sup>op</sup>
<b><u>Range</u></b>	<a href="#">TextileFinishing</a> <sup>c</sup>

## Finishing Step<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasFinishingStep">http://w3id.org/CEON/ontology/textile/hasFinishingStep</a>
<b><u>Sub Property Of</u></b>	<a href="#">hasTextileManufacturingProcess</a> <sup>op</sup>

## has post consumer recycled content amount<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasPostConsumerRecycledContentAmount">http://w3id.org/CEON/ontology/textile/hasPostConsumerRecycledContentAmount</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/product/hasComposition">http://w3id.org/CEON/ontology/product/hasComposition</a>



has pre consumer recycled content amount<sup>op</sup>

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

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

Print Finishing<sup>op</sup>

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

**Sub Property Of** [hasProperty<sup>op</sup>](#)

Print Method<sup>op</sup>

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

**Sub Property Of** [hasTextileManufacturingProcess<sup>op</sup>](#)

**Range** [PrintingProcess<sup>c</sup>](#)

Print Stuff<sup>op</sup>

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

**Sub Property Of** [hasProperty<sup>op</sup>](#)

has property<sup>op</sup>

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

**Super Property Of**

- [anticipatedLeakageDuringUse<sup>op</sup>](#)
- [desinged for recycling at the same level of quality<sup>op</sup>](#)
- [Dye Stuff<sup>op</sup>](#)
- [hasFinishing<sup>op</sup>](#)
- [Print Finishing<sup>op</sup>](#)
- [Print Stuff<sup>op</sup>](#)
- [Water Property<sup>op</sup>](#)

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

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

has textile manufacturing process<sup>op</sup>

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

**Super Property Of**

- [Dye Method](#)<sup>op</sup>
- [Finishing Step](#)<sup>op</sup>
- [Print Method](#)<sup>op</sup>

**Range** [TextileManufacturingProcess](#)<sup>c</sup>

has textile product type<sup>op</sup>

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

**Domain** [TextileProduct](#)<sup>c</sup>

**Range** [TextileProductType](#)<sup>c</sup>

Water Property<sup>op</sup>

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

**Sub Property Of** [hasProperty](#)<sup>op</sup>

**Range** [WaterProperty](#)<sup>c</sup>

product composition disclosure availability<sup>op</sup>

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

product composition disclosure validation<sup>op</sup>

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

recycling at same quality range<sup>op</sup>

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

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

textile product design<sup>op</sup>

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

**Super Property Of** [textileProductDesignForRecycling<sup>op</sup>](#)

textile product design for recycling<sup>op</sup>

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

**Description** Product designed for a certain recycling method.

**Sub Property Of** [textileProductDesign<sup>op</sup>](#)

**Range** [TextileRecyclingProcess<sup>c</sup>](#)

weight fraction of disclosed substances<sup>op</sup>

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

has origin<sup>op</sup>

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

**Range** [Origin<sup>c</sup>](#)

## Datatype Properties

has type<sup>dp</sup>

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

**Description** Description of the kind of product.

**Range** [xsd:string](#)

## contains metal<sup>dp</sup>

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

**Description** The product contains metal.

**Range** [xsd:boolean](#)

## includes trims<sup>dp</sup>

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

**Description** The product includes trims.

**Range** [xsd:boolean](#)

## production site<sup>dp</sup>

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

**Description** The location where the product was produced.

**Range** [xsd:string](#)

## C Emark<sup>dp</sup>

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

**Description** The product has theCE mark.

**Sub Property Of** [certification<sup>dp</sup>](#)

**Range** [xsd:boolean](#)

## available information<sup>dp</sup>

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

**Super Property Of**

- [biodegradabilityTestAvailable<sup>dp</sup>](#)
- [materialSafetyDataSheetAvailable<sup>dp</sup>](#)
- [materialSafetyDataSheetForDyeingAvailable<sup>dp</sup>](#)
- [materialSafetyDataSheetForFinishingAvailable<sup>dp</sup>](#)
- [technicalDataSheetAvailable<sup>dp</sup>](#)

## biodegradability test available<sup>dp</sup>

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

**Description** Biodegradability test is available.

**Sub Property Of** [availableInformation](#)<sup>dp</sup>

**Range** [xsd:boolean](#)

## certification<sup>dp</sup>

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

**Super Property Of** [CEmark](#)<sup>dp</sup>

## chemical compliance<sup>dp</sup>

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

## collection parameter<sup>dp</sup>

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

**Super Property Of** [collectionSystem](#)<sup>dp</sup>

## collection system<sup>dp</sup>

**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](#)<sup>dp</sup>

**Range** [xsd:boolean](#)

## design for properties<sup>dp</sup>

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

### Super Property Of

- [designedForRecycling<sup>dp</sup>](#)
- [designedForRefurbishment<sup>dp</sup>](#)
- [designedForRemanufacturing<sup>dp</sup>](#)
- [designedForReuse<sup>dp</sup>](#)

## design for recycling amounts<sup>dp</sup>

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

**Super Property Of** [emissionByDesign<sup>dp</sup>](#)

## designed for recycling<sup>dp</sup>

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

### Description

The product is designed for recycling?

**Sub Property Of** [designForProperties<sup>dp</sup>](#)

## designed for refurbishment<sup>dp</sup>

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

### Description

The product is desinged for refurbishment?

**Sub Property Of** [designForProperties<sup>dp</sup>](#)

## designed for remanufacturing<sup>dp</sup>

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

### Description

The product is designed for remanufacturing?

**Sub Property Of** [designForProperties<sup>dp</sup>](#)

## designed for reuse<sup>dp</sup>

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

**Sub Property Of** [designForProperties<sup>dp</sup>](#)

**Super Property Of** [designedForReuseWMinimalMod<sup>dp</sup>](#)

## designed for reuse w minimal mod<sup>dp</sup>

**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<sup>dp</sup>](#)

## emission by design<sup>dp</sup>

**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<sup>dp</sup>](#)

## finishing steps<sup>dp</sup>

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

## material safety data sheet available<sup>dp</sup>

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

**Description** Material Safety Data Sheet for the product is available.

**Sub Property Of** [availableInformation<sup>dp</sup>](#)

**Range** [xsd:boolean](#)

material safety data sheet for dyeing available<sup>dp</sup>

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

**Description** Material Safety Data Sheets for Dyeing are available.

**Sub Property Of** [availableInformation](#)<sup>dp</sup>

**Range** [xsd:boolean](#)

material safety data sheet for finishing available<sup>dp</sup>

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

**Description** Material Safety Data Sheets for Finishing are available.

**Sub Property Of** [availableInformation](#)<sup>dp</sup>

**Range** [xsd:boolean](#)

technical data sheet available<sup>dp</sup>

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

**Description** The Technical Data Sheet is available.

**Sub Property Of** [availableInformation](#)<sup>dp</sup>

**Range** [xsd:boolean](#)

## Annotation Properties

C Fmapping<sup>ap</sup>

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

Pcd Smapping<sup>ap</sup>

**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