

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

### Origin<sup>c</sup>

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

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

**Named Individuals**  
[original](#)<sup>ni</sup>  
[recycled](#)<sup>ni</sup>  
[reused](#)<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>

**IRI** <http://w3id.org/CE0N/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>

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

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

## Dye<sup>c</sup>

**IRI** <http://w3id.org/CE0N/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/CE0N/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/CE0N/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/CE0N/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/CE0N/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>

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

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

**Named Individuals**

- [acidDye<sup>ni</sup>](#)
- [anilineDye<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>

**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>

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileDataSheetStatement">http://w3id.org/CEON/ontology/textile/TextileDataSheetStatement</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/provenance/Statement">http://w3id.org/CEON/ontology/provenance/Statement</a>
<b><u>Super Class Of</u></b>	<a href="#">TextileChemicalSubstanceThresholdStatement<sup>C</sup></a> <a href="#">TextileDataSheetIssuingStatement<sup>C</sup></a> <a href="#">TextileDataSheetUpdateStatement<sup>C</sup></a> <a href="#">TextileManufacturerStatement<sup>C</sup></a> <a href="#">TextileManufacturingSiteStatement<sup>C</sup></a> <a href="#">TextileProductCertification<sup>C</sup></a> <a href="#">TextileProductComponentRelation<sup>C</sup></a> <a href="#">TextileProductCompositionDisclosureStatement<sup>C</sup></a> <a href="#">TextileProductCompositionOfConcern<sup>C</sup></a> <a href="#">TextileProductCompositionWeightFraction<sup>C</sup></a> <a href="#">TextileProductDataSheet<sup>C</sup></a> <a href="#">TextileProductDesignForDisassembly<sup>C</sup></a> <a href="#">TextileProductDesignForRecycling<sup>C</sup></a> <a href="#">TextileProductDesignForRefurbishment<sup>C</sup></a> <a href="#">TextileProductDesignForRemanufacturing<sup>C</sup></a> <a href="#">TextileProductDesignForReuseMethod<sup>C</sup></a> <a href="#">TextileProductDesignedForBetterUse<sup>C</sup></a> <a href="#">TextileProductManufacturingMethod<sup>C</sup></a> <a href="#">TextileProductMatterCompositionRelation<sup>C</sup></a> <a href="#">TextileProductRecycledContent<sup>C</sup></a> <a href="#">TextileProductRenewableContent<sup>C</sup></a>

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

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileFinishing">http://w3id.org/CEON/ontology/textile/TextileFinishing</a>
<b><u>Sub Class Of</u></b>	<a href="#">TextileProperty<sup>C</sup></a>
<b><u>In Range Of</u></b>	<a href="#">hasFinishing<sup>op</sup></a>
<b><u>Super Class Of</u></b>	<a href="#">ChemicalFinishing<sup>C</sup></a> <a href="#">MechanicalFinishing<sup>C</sup></a>

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

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileManufacturingProcess">http://w3id.org/CEON/ontology/textile/TextileManufacturingProcess</a>
<b>In Range Of</b>	<a href="#">hasTextileManufacturingProcess<sup>op</sup></a>
<b>Super Class Of</b>	<a href="#">DyeingProcess<sup>C</sup></a> <a href="#">PrintingProcess<sup>C</sup></a>
<b>Named Individuals</b>	<a href="#">directDyed<sup>ni</sup></a> <a href="#">dopeDyed<sup>ni</sup></a> <a href="#">pieceDyed<sup>ni</sup></a> <a href="#">topDyed<sup>ni</sup></a> <a href="#">undyed<sup>ni</sup></a> <a href="#">yarnDyed<sup>ni</sup></a>

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

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProduct">http://w3id.org/CEON/ontology/textile/TextileProduct</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/product/Product">http://w3id.org/CEON/ontology/product/Product</a>
<b>In Domain Of</b>	<a href="#">hasTextileProductType<sup>op</sup></a>
<b>Restriction</b>	<a href="#">hasColor<sup>op</sup></a> some <a href="#">TextileProduct<sup>C</sup></a> <a href="#">hasTextileProductType<sup>op</sup></a> some <a href="#">TextileProduct<sup>C</sup></a>

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

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



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

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

**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  
[naea0cf7e5cc14d62932cf05b0c3fc38eb15<sup>C</sup>](#) and  
<http://w3id.org/CEON/ontology/actorODP/participatingObject> some  
[http://w3id.org/CEON/ontology/resourceODP/Constituent<sup>C</sup>](http://w3id.org/CEON/ontology/resourceODP/Constituent) and  
<http://qudt.org/schema/qudt/hasUnit> some [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit)  
and <http://w3id.org/CEON/ontology/actorODP/participatingSubject> some  
[TextileProduct<sup>C</sup>](#)

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

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

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

**In Range Of** [chemicalSubstanceDisclosureThreshold<sup>OP</sup>](#)

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

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

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

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

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

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

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

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

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

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/TextileProductDesignForDisassembly">http://w3id.org/CE0N/ontology/textile/TextileProductDesignForDisassembly</a>
<b><u>Sub Class Of</u></b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>
<b><u>Super Class Of</u></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/CE0N/ontology/textile/TextileProductDesignForRecycling">http://w3id.org/CE0N/ontology/textile/TextileProductDesignForRecycling</a>
<b><u>Sub Class Of</u></b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>
<b><u>In Range Of</u></b>	<a href="#">desinged for recycling at the same level of quality<sup>OP</sup></a>
<b><u>Restriction</u></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/CE0N/ontology/textile/TextileProductDesignForRefurbishment">http://w3id.org/CE0N/ontology/textile/TextileProductDesignForRefurbishment</a>
<b><u>Sub Class Of</u></b>	<a href="#">TextileDataSheetStatement<sup>C</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/TextileProductDesignForRemanufacturing">http://w3id.org/CE0N/ontology/textile/TextileProductDesignForRemanufacturing</a>
<b><u>Sub Class Of</u></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/CE0N/ontology/textile/TextileProductDesignForReuseMethod">http://w3id.org/CE0N/ontology/textile/TextileProductDesignForReuseMethod</a>
<b><u>Sub Class Of</u></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/CE0N/ontology/textile/TextileProductDesignToBeCleanlyRemoved">http://w3id.org/CE0N/ontology/textile/TextileProductDesignToBeCleanlyRemoved</a>
<b><u>Sub Class Of</u></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 [naea0cf7e5cc14d62932cf05b0c3fc38eb26<sup>C</sup>](#) and  
<http://w3id.org/CEON/ontology/actorODP/participatingObject> some  
[http://w3id.org/CEON/ontology/resourceODP/Matter<sup>C</sup>](http://w3id.org/CEON/ontology/resourceODP/Matter)

## 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/hasUnit> some [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit)  
and <http://w3id.org/CEON/ontology/provenance/statementAbout> some  
[naea0cf7e5cc14d62932cf05b0c3fc38eb35<sup>C</sup>](#) and  
<http://qudt.org/schema/qudt/numericalValue> some  
[naea0cf7e5cc14d62932cf05b0c3fc38eb39<sup>C</sup>](#)

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

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

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

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

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

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

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

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

**Named Individuals**  
[certified<sup>ni</sup>](#)  
[validatedByThirdParty<sup>ni</sup>](#)

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/WaterProperty">http://w3id.org/CEON/ontology/textile/WaterProperty</a>
<b>Sub Class Of</b>	<a href="#">TextileProperty<sup>c</sup></a>
<b>In Range Of</b>	<a href="#">Water Property<sup>op</sup></a>
<b>Named Individuals</b>	<a href="#">Water repellent<sup>ni</sup></a> <a href="#">Water resistant<sup>ni</sup></a> <a href="#">Waterproof<sup>ni</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/BrandOfResource">http://w3id.org/CEON/ontology/textile/BrandOfResource</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/actorODP/ResourceRelation">http://w3id.org/CEON/ontology/actorODP/ResourceRelation</a>
<b>Equivalentclass</b>	<a href="http://w3id.org/CEON/ontology/actorODP/ResourceRelation">http://w3id.org/CEON/ontology/actorODP/ResourceRelation</a> <sup>c</sup> and <a href="http://w3id.org/CEON/ontology/actorODP/participantRole">http://w3id.org/CEON/ontology/actorODP/participantRole</a> value <a href="#">brand</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/REACHCompliance">http://w3id.org/CEON/ontology/textile/REACHCompliance</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/product/Compliance">http://w3id.org/CEON/ontology/product/Compliance</a>
<b>Equivalentclass</b>	<a href="http://w3id.org/CEON/ontology/product/complianceWith">http://w3id.org/CEON/ontology/product/complianceWith</a> value <a href="#">REACH</a> <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</a> <sup>c</sup>

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

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

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

disclosure value<sup>op</sup>

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

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

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

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

has color<sup>op</sup>

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

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

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

Dye Method<sup>op</sup>

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

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

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

Dye Stuff<sup>op</sup>

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

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

has finishing<sup>op</sup>

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

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

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

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

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

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

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

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

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

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

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

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

## Print Finishing<sup>op</sup>

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

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

## Print Method<sup>op</sup>

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

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

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

## Print Stuff<sup>op</sup>

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

**Description** The product contains metal.

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

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

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

**Description** The product includes trims.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**IRI** <http://w3id.org/CE0N/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>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designForRecyclingAmounts">http://w3id.org/CE0N/ontology/textile/designForRecyclingAmounts</a>
<b><u>Super Property Of</u></b>	<a href="#">emissionByDesign<sup>dp</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designedForRecycling">http://w3id.org/CE0N/ontology/textile/designedForRecycling</a>
<b><u>Description</u></b>	The product is designed for recycling?
<b><u>Sub Property Of</u></b>	<a href="#">designForProperties<sup>dp</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designedForRefurbishment">http://w3id.org/CE0N/ontology/textile/designedForRefurbishment</a>
<b><u>Description</u></b>	The product is desinged for refurbishment?
<b><u>Sub Property Of</u></b>	<a href="#">designForProperties<sup>dp</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designedForRemanufacturing">http://w3id.org/CE0N/ontology/textile/designedForRemanufacturing</a>
<b><u>Description</u></b>	The product is designed for remanufacturing?
<b><u>Sub Property Of</u></b>	<a href="#">designForProperties<sup>dp</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designedForReuse">http://w3id.org/CE0N/ontology/textile/designedForReuse</a>
<b><u>Sub Property Of</u></b>	<a href="#">designForProperties<sup>dp</sup></a>
<b><u>Super Property Of</u></b>	<a href="#">designedForReuseWMinimalMod<sup>dp</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designedForReuseWMinimalMod">http://w3id.org/CE0N/ontology/textile/designedForReuseWMinimalMod</a>
<b><u>Description</u></b>	The product is designed for re-use as-is or with minimal modification.
<b><u>Sub Property Of</u></b>	<a href="#">designedForReuse<sup>dp</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/emissionByDesign">http://w3id.org/CE0N/ontology/textile/emissionByDesign</a>
<b>Description</b>	The portion of the product known to be emitted into the environment during use is designed for that purpose.
<b>Sub Property Of</b>	<a href="#">designForRecyclingAmounts<sup>dp</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/finishingSteps">http://w3id.org/CE0N/ontology/textile/finishingSteps</a>
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## material safety data sheet available<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetAvailable">http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetAvailable</a>
<b>Description</b>	Material Safety Data Sheet for the product is available.
<b>Sub Property Of</b>	<a href="#">availableInformation<sup>dp</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetForDyeingAvailable">http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetForDyeingAvailable</a>
<b>Description</b>	Material Safety Data Sheets for Dyeing are available.
<b>Sub Property Of</b>	<a href="#">availableInformation<sup>dp</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetForFinishingAvailable">http://w3id.org/CE0N/ontology/textile/materialSafetyDataSheetForFinishingAvailable</a>
<b>Description</b>	Material Safety Data Sheets for Finishing are available.
<b>Sub Property Of</b>	<a href="#">availableInformation<sup>dp</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</a>

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

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

Pcd Smapping<sup>ap</sup>

**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

