

# Circular Economy Ontology Network (CEON) - Textile Module

## Metadata

### IRI

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

### Title

Circular Economy Ontology Network (CEON) - Textile Module

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### Version Iri

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

### Version Info

0.2

### Preferred Namespace Uri

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

### Description

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

## Classes

### Textile Post Consumer Recycled Composition Statement<sup>C</sup>

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

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

### Textile Post Consumer Recycled Content Weight Statement<sup>C</sup>

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

**Sub Class Of** <http://w3id.org/CEON/ontology/statement/MFOfPostConsumerRecycledMaterialContentStatement>  
[TextileDataSheetStatement<sup>C</sup>](#)

### Textile Pre Consumer Recycled Composition Statement<sup>C</sup>

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

**Sub Class Of** <http://w3id.org/CEON/ontology/statement/PreConsumerRecycledMaterialCompositionStatement>  
[TextileDataSheetStatement<sup>C</sup>](#)

## Textile Pre Consumer Recycled Content Weight Statement<sup>C</sup>

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

## Actor Resource Role<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/actor/ActorResourceRole">http://w3id.org/CEON/ontology/actor/ActorResourceRole</a>
<b>Named Individuals</b>	<a href="#">brand<sup>ni</sup></a>

## Adhesive Finishing<sup>C</sup>

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/BatchOfTextileObjects">http://w3id.org/CEON/ontology/textile/BatchOfTextileObjects</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects">http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects</a> <a href="#">hasColor<sup>OP</sup></a> some <a href="#">Color<sup>C</sup></a> <i>and</i> <a href="#">hasColor<sup>OP</sup></a> only <a href="#">Color<sup>C</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="#">actorODP:ResourceRelation</a>
<b>Equivalentclass</b>	<a href="#">actorODP:ResourceRelation<sup>C</sup></a> <i>and</i> <a href="#">actorODP:participantRole</a> value <a href="#">brand<sup>C</sup></a>

## Chemical Compliance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/ChemicalCompliance">http://w3id.org/CEON/ontology/textile/ChemicalCompliance</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/product/Compliance">http://w3id.org/CEON/ontology/product/Compliance</a>
<b>Super Class Of</b>	<a href="#">GRSCompliance<sup>C</sup></a> <a href="#">ZDHCCompliance<sup>C</sup></a>

## Chemical Finishing<sup>c</sup>

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

**Sub Class Of** [FinishingProcess<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/CEON/ontology/textile/Color>

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

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

**Named Individuals**

- [blue<sup>ni</sup>](#)
- [red<sup>ni</sup>](#)
- [yellow<sup>ni</sup>](#)

## Double Adhesive Coated Material<sup>c</sup>

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

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

## Dye Method<sup>C</sup>

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

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

## Dye Stuff<sup>C</sup>

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

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

**In Range Of** [Dye Stuff<sup>op</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**

- [TextileProductionProcess<sup>C</sup>](#)
- [Dye Method<sup>op</sup>](#) some [DyeMethod<sup>C</sup>](#) and [Dye Method<sup>op</sup>](#) only [DyeMethod<sup>C</sup>](#)
- [Dye Stuff<sup>op</sup>](#) some [DyeStuff<sup>C</sup>](#) and [Dye Stuff<sup>op</sup>](#) only [DyeStuff<sup>C</sup>](#)

**In Domain Of**

- [Dye Method<sup>op</sup>](#)
- [Dye Stuff<sup>op</sup>](#)

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

## Ethyl Vinyl Acetate Film<sup>C</sup>

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

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

## Ethyl Vinyl Acetate Resin<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/EthylVinylAcetateResin">http://w3id.org/CEON/ontology/textile/EthylVinylAcetateResin</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/material/Material">http://w3id.org/CEON/ontology/material/Material</a>

## Fabric Production<sup>C</sup>

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

## Finishing Process<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/FinishingProcess">http://w3id.org/CEON/ontology/textile/FinishingProcess</a>
<b><u>Sub Class Of</u></b>	<a href="#">TextileProductionProcess<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="#">AdhesiveFinishing<sup>C</sup></a> <a href="#">ChemicalFinishing<sup>C</sup></a> <a href="#">MechanicalFinishing<sup>C</sup></a> <a href="#">SkivedFinishing<sup>C</sup></a>

## Grs Compliance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/GRSCompliance">http://w3id.org/CEON/ontology/textile/GRSCompliance</a>
<b><u>Sub Class Of</u></b>	<a href="#">ChemicalCompliance<sup>C</sup></a>
<b><u>Equivalentclass</u></b>	<a href="http://w3id.org/CEON/ontology/product/complianceWith">http://w3id.org/CEON/ontology/product/complianceWith</a> value <a href="#">GRS<sup>C</sup></a>

## Inorganic F Iller<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/InorganicFiller">http://w3id.org/CEON/ontology/textile/InorganicFiller</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/material/Material">http://w3id.org/CEON/ontology/material/Material</a>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/MechanicalFinishing">http://w3id.org/CEON/ontology/textile/MechanicalFinishing</a>
<b><u>Sub Class Of</u></b>	<a href="#">FinishingProcess<sup>C</sup></a>
<b><u>Named Individuals</u></b>	<a href="#">calendering<sup>ni</sup></a> <a href="#">embossing<sup>ni</sup></a> <a href="#">permanentCreasing<sup>ni</sup></a> <a href="#">pre-shrinking<sup>ni</sup></a> <a href="#">steaming<sup>ni</sup></a> <a href="#">sueding<sup>ni</sup></a>

## Polyester Fibres<sup>C</sup>

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

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

## Print Method<sup>C</sup>

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

**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>

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

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

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

**In Range Of** [Print Stuff](#)<sup>op</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>  
[sulfurDye](#)<sup>ni</sup>  
[vatDye](#)<sup>ni</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/PrintingProcess">http://w3id.org/CEON/ontology/textile/PrintingProcess</a>
<b>Sub Class Of</b>	<a href="#">TextileProductionProcess<sup>C</sup></a> <a href="#">Print Method<sup>OP</sup></a> only <a href="#">PrintMethod<sup>C</sup></a> and <a href="#">Print Method<sup>OP</sup></a> some <a href="#">PrintMethod<sup>C</sup></a> <a href="#">Print Stuff<sup>OP</sup></a> some <a href="#">PrintStuff<sup>C</sup></a> and <a href="#">Print Stuff<sup>OP</sup></a> only <a href="#">PrintStuff<sup>C</sup></a>
<b>In Domain Of</b>	<a href="#">Print Method<sup>OP</sup></a> <a href="#">Print Stuff<sup>OP</sup></a>
<b>In Range Of</b>	<a href="#">Print Method<sup>OP</sup></a>

## Raw Hide Processing<sup>C</sup>

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

## Raw Material Production<sup>C</sup>

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

## Single Adhesive Coated Material<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/SingleAdhesiveCoatedMaterial">http://w3id.org/CEON/ontology/textile/SingleAdhesiveCoatedMaterial</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/material/Material">http://w3id.org/CEON/ontology/material/Material</a>

## Skived Finishing<sup>C</sup>

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

## Spinning Process<sup>C</sup>

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

## Styrene Butadiene Latex<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/StyreneButadieneLatex">http://w3id.org/CEON/ontology/textile/StyreneButadieneLatex</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/material/Material">http://w3id.org/CEON/ontology/material/Material</a>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileChemicalSubstanceThresholdStatement">http://w3id.org/CEON/ontology/textile/TextileChemicalSubstanceThresholdStatement</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/statement/DisclosedChemicalSubstanceStatement">http://w3id.org/CEON/ontology/statement/DisclosedChemicalSubstanceStatement</a>
<b><u>In Domain Of</u></b>	<a href="#">disclosureValue</a> <sup>OP</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileDataSheet">http://w3id.org/CEON/ontology/textile/TextileDataSheet</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/datasheet/DataSheet">http://w3id.org/CEON/ontology/datasheet/DataSheet</a>
<b><u>Restriction</u></b>	<a href="http://w3id.org/CEON/ontology/resourceODP/isAbout">http://w3id.org/CEON/ontology/resourceODP/isAbout</a> some <a href="#">TextileDataSheet</a> <sup>C</sup> <a href="#">hasProperty</a> <sup>OP</sup> some <a href="#">TextileDataSheet</a> <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</a> <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/statement/Statement>

**Super Class Of**

- [TextilePostConsumerRecycledCompositionStatement<sup>C</sup>](#)
- [TextilePostConsumerRecycledContentWeightStatement<sup>C</sup>](#)
- [TextilePreConsumerRecycledCompositionStatement<sup>C</sup>](#)
- [TextilePreConsumerRecycledContentWeightStatement<sup>C</sup>](#)
- [TextileChemicalSubstanceThresholdStatement<sup>C</sup>](#)
- [TextileDataSheetIssuingStatement<sup>C</sup>](#)
- [TextileDataSheetUpdateStatement<sup>C</sup>](#)
- [TextileManufacturerStatement<sup>C</sup>](#)
- [TextileManufacturingSiteStatement<sup>C</sup>](#)
- [TextileProductCertification<sup>C</sup>](#)
- [TextileProductComponentStatement<sup>C</sup>](#)
- [TextileProductCompositionDisclosureStatement<sup>C</sup>](#)
- [TextileProductCompositionOfConcern<sup>C</sup>](#)
- [TextileProductCompositionWeightFraction<sup>C</sup>](#)
- [TextileProductDataSheet<sup>C</sup>](#)
- [TextileProductDesignForDisassembly<sup>C</sup>](#)
- [TextileProductDesignForDismantling<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>](#)
- [TextileProductRenewableContent<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 Manufacturer Statement<sup>C</sup>

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

**Sub Class Of** [TextileDataSheetStatement<sup>C</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>

<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> <a href="#">hasColor</a> <sup>op</sup> only <a href="#">Color</a> <sup>C</sup> <i>and</i> <a href="#">hasColor</a> <sup>op</sup> some <a href="#">Color</a> <sup>C</sup> <a href="#">hasTextileProductType</a> <sup>op</sup> some <a href="#">TextileProductType</a> <sup>C</sup> <i>and</i> <a href="#">hasTextileProductType</a> <sup>op</sup> only <a href="#">TextileProductType</a> <sup>C</sup>
<b>In Domain Of</b>	<a href="#">hasTextileProductType</a> <sup>op</sup> <a href="#">hasTextileProductionProcess</a> <sup>op</sup>

## 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</a> <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="#">actorODP:ResourceParticipation</a> <a href="#">actorODP:participatingSubject</a> some <a href="#">TextileProduct</a> <sup>C</sup> <i>and</i> <a href="#">actorODP:participatingObject</a> some <a href="http://w3id.org/CEON/ontology/resourceODP/Constituent">http://w3id.org/CEON/ontology/resourceODP/Constituent</a> <sup>C</sup>
<b>In Domain Of</b>	<a href="#">hasTextileProductComponentValue</a> <sup>op</sup>
<b>Restriction</b>	<a href="#">hasTextileProductComponentValue</a> <sup>op</sup> <i>max</i> 1 <a href="#">TextileProductComponentRelation</a> <sup>C</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductComponentStatement">http://w3id.org/CEON/ontology/textile/TextileProductComponentStatement</a>
<b>Sub Class Of</b>	<a href="#">TextileDataSheetStatement</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/statement/statementAbout">http://w3id.org/CEON/ontology/statement/statementAbout</a> <i>max</i> 1 <a href="#">TextileProductComponentRelation</a> <sup>C</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/statement/statementAbout">http://w3id.org/CEON/ontology/statement/statementAbout</a> <i>max</i> 1 <a href="#">TextileProductMatterCompositionRelation</a> <sup>C</sup>

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

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

**Sub Class Of** <http://qudt.org/schema/qudt/QuantityValue>  
<http://qudt.org/schema/qudt/numericalValue><sup>dp</sup> some [n53683a1e4f0c45e8a9b535227c8b9be0b64](https://n53683a1e4f0c45e8a9b535227c8b9be0b64.w3id.org/)<sup>C</sup> and <http://qudt.org/schema/qudt/hasUnit> some <http://qudt.org/schema/qudt/Unit><sup>C</sup>

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

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

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

**Sub Class Of** <http://w3id.org/CE0N/ontology/statement/MassFractionOfDisclosedChemicalSubstanceStatement>  
[TextileDataSheetStatement](#)<sup>C</sup>

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

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

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

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

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

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

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

**IRI** <http://w3id.org/CE0N/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/CEON/ontology/textile/TextileProductDesignForDisassembly">http://w3id.org/CEON/ontology/textile/TextileProductDesignForDisassembly</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/statement/DisassemblyStatement">http://w3id.org/CEON/ontology/statement/DisassemblyStatement</a> <a href="#">TextileDataSheetStatement<sup>C</sup></a>
<b>In Domain Of</b>	<a href="#">designedForUsingReversibleConnector<sup>dp</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 Dismantling<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductDesignForDismantling">http://w3id.org/CEON/ontology/textile/TextileProductDesignForDismantling</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/statement/DismantlingStatement">http://w3id.org/CEON/ontology/statement/DismantlingStatement</a> <a href="#">TextileDataSheetStatement<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="http://w3id.org/CEON/ontology/statement/RecyclingStatement">http://w3id.org/CEON/ontology/statement/RecyclingStatement</a> <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="http://w3id.org/CEON/ontology/statement/statementAbout">http://w3id.org/CEON/ontology/statement/statementAbout</a> some <a href="#">TextileProductDesignForRecycling<sup>C</sup></a> <a href="http://w3id.org/CEON/ontology/statement/statementAbout">http://w3id.org/CEON/ontology/statement/statementAbout</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>

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

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

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

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

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

## 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>](#)

**In Domain Of** [designForBetterUse<sup>dp</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>  
[actorODP:ResourceParticipation](#)  
[actorODP:participatingSubject](#) some [n53683a1e4f0c45e8a9b535227c8b9be0b77<sup>C</sup>](#) and [actorODP:participatingObject](#) some [http://w3id.org/CEON/ontology/resourceODP/Matter<sup>C</sup>](http://w3id.org/CEON/ontology/resourceODP/Matter)

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

**Restriction** [hasTextileProductMatterCompositionValue<sup>op</sup>](#) *max* 1  
[TextileProductMatterCompositionRelation<sup>C</sup>](#)

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductMatterCompositionValue">http://w3id.org/CEON/ontology/textile/TextileProductMatterCompositionValue</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <a href="http://qudt.org/schema/qudt/numericalValue">http://qudt.org/schema/qudt/numericalValue</a> <sup>dp</sup> some <a href="https://n53683a1e4f0c45e8a9b535227c8b9be0b86">n53683a1e4f0c45e8a9b535227c8b9be0b86</a> <sup>C</sup> 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</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasTextileProductMatterCompositionValue</a> <sup>op</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductObject">http://w3id.org/CEON/ontology/textile/TextileProductObject</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/product/Item">http://w3id.org/CEON/ontology/product/Item</a> <a href="#">hasColor</a> <sup>op</sup> only <a href="#">Color</a> <sup>C</sup> and <a href="#">hasColor</a> <sup>op</sup> some <a href="#">Color</a> <sup>C</sup>

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

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductRecycledContent">http://w3id.org/CEON/ontology/textile/TextileProductRecycledContent</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <a href="#">actorODP:ResourceParticipation</a>
<b>In Domain Of</b>	<a href="#">hasTextileProductRecycledContent</a> <sup>op</sup> <a href="#">containsHazardousSubstanceAbove0.1ForPostConsumerRecycledContent</a> <sup>dp</sup> <a href="#">containsHazardousSubstanceAbove0.1ForPreConsumerRecycledContent</a> <sup>dp</sup>
<b>Restriction</b>	<a href="#">hasTextileProductRecycledContent</a> <sup>op</sup> <i>max</i> 1 <a href="#">TextileProductRecycledContent</a> <sup>C</sup>

## Textile Product Recycled Content Value<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/TextileProductRecycledContentValue">http://w3id.org/CE0N/ontology/textile/TextileProductRecycledContentValue</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <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</a> <sup>c</sup> and <a href="http://qudt.org/schema/qudt/numericalValue">http://qudt.org/schema/qudt/numericalValue</a> <sup>dp</sup> some <a href="http://w3id.org/CE0N/ontology/textile/TextileProductRecycledContentValue">n53683a1e4f0c45e8a9b535227c8b9be0b100</a> <sup>c</sup>
<b>In Range Of</b>	<a href="#">hasTextileProductRecycledContent</a> <sup>op</sup>

## Textile Product Renewable Content<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContent">http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContent</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <a href="#">actorODP:ResourceParticipation</a>
<b>In Domain Of</b>	<a href="#">hasTextileProductRenewableContent</a> <sup>op</sup> <a href="#">renewableContentManagedInSustainableWay</a> <sup>dp</sup>
<b>Restriction</b>	<a href="#">hasTextileProductRenewableContent</a> <sup>op</sup> max 1 <a href="#">TextileProductRenewableContent</a> <sup>c</sup>

## Textile Product Renewable Content Value<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContentValue">http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContentValue</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <a href="http://qudt.org/schema/qudt/numericalValue">http://qudt.org/schema/qudt/numericalValue</a> <sup>dp</sup> some <a href="http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContentValue">n53683a1e4f0c45e8a9b535227c8b9be0b109</a> <sup>c</sup> 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</a> <sup>c</sup>
<b>In Range Of</b>	<a href="#">hasTextileProductRenewableContent</a> <sup>op</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContet">http://w3id.org/CE0N/ontology/textile/TextileProductRenewableContet</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CE0N/ontology/statement/MassFractionOfRenewableMaterialStatement">http://w3id.org/CE0N/ontology/statement/MassFractionOfRenewableMaterialStatement</a> <a href="#">TextileDataSheetStatement</a> <sup>c</sup>
<b>Restriction</b>	<a href="http://w3id.org/CE0N/ontology/statement/statementAbout">http://w3id.org/CE0N/ontology/statement/statementAbout</a> some <a href="#">TextileProductRenewableContet</a> <sup>c</sup> <a href="http://w3id.org/CE0N/ontology/statement/statementAbout">http://w3id.org/CE0N/ontology/statement/statementAbout</a> some <a href="#">TextileProductRenewableContet</a> <sup>c</sup>

## Textile Product To Leakage Statement<sup>C</sup>

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

**Sub Class Of** <http://w3id.org/CEON/ontology/statement/ReleasedIntoEnvironmentStatement>  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/ontology/statement/10gt-25le<sup>C</sup>> *or*  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/demo/textile/95gt-100le<sup>C</sup>> *or*  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/ontology/statement/50gt-75le<sup>C</sup>> *or*  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/ontology/statement/75gt-95le<sup>C</sup>> *or*  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/demo/textile/1gt-10le<sup>C</sup>> *or*  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/ontology/statement/25gt-50le<sup>C</sup>> *or*  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/demo/textile/0ge-1le<sup>C</sup>>

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

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

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

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

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

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

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

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

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

**Super Class Of** [DyeingProcess<sup>C</sup>](#)  
[FabricProduction<sup>C</sup>](#)  
[FinishingProcess<sup>C</sup>](#)  
[PrintingProcess<sup>C</sup>](#)  
[RawHideProcessing<sup>C</sup>](#)  
[RawMaterialProduction<sup>C</sup>](#)  
[SpinningProcess<sup>C</sup>](#)  
[TrimProduction<sup>C</sup>](#)



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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProperty">http://w3id.org/CEON/ontology/textile/TextileProperty</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/resourceODP/ResourceProperty">http://w3id.org/CEON/ontology/resourceODP/ResourceProperty</a>
<b>Super Class Of</b>	<a href="#">Color<sup>C</sup></a> <a href="#">TextileProductType<sup>C</sup></a> <a href="#">WaterProperty<sup>C</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileRecyclingProcess">http://w3id.org/CEON/ontology/textile/TextileRecyclingProcess</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/processODP/Process">http://w3id.org/CEON/ontology/processODP/Process</a>
<b>Named Individuals</b>	<a href="#">biodegestion<sup>ni</sup></a> <a href="#">biosphereCascading<sup>ni</sup></a> <a href="#">homeComposting<sup>ni</sup></a> <a href="#">incineration<sup>ni</sup></a> <a href="#">industrialComposting<sup>ni</sup></a>

## Trim Production<sup>C</sup>

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

## 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="#">hasWaterProperty<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>

## Zdhc Compliance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/ZDHCCompliance">http://w3id.org/CEON/ontology/textile/ZDHCCompliance</a>
<b>Sub Class Of</b>	<a href="#">ChemicalCompliance<sup>C</sup></a>
<b>Equivalentclass</b>	<a href="http://w3id.org/CEON/ontology/product/complianceWith">http://w3id.org/CEON/ontology/product/complianceWith</a> value <a href="#">ZDHC<sup>C</sup></a>

## Object Properties

### object value<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/quantity#objectValue>

**Super Property Of**

- [disclosureValue<sup>op</sup>](#)
- [recyclingAtSameQualityRange<sup>op</sup>](#)

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

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

### designed 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<sup>op</sup>](http://w3id.org/CEON/ontology/quantity#objectValue)

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

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

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

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

**Domain** [http://w3id.org/CEON/ontology/product/Product<sup>c</sup>](http://w3id.org/CEON/ontology/product/Product) or  
[http://w3id.org/CEON/ontology/product/Item<sup>c</sup>](http://w3id.org/CEON/ontology/product/Item) or  
[http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects<sup>c</sup>](http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects)

**Range** [Color<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>Sub Property Of</b>	<a href="#">hasTextileProductionProcess<sup>op</sup></a>
<b>Domain</b>	<a href="#">DyeingProcess<sup>c</sup></a>
<b>Range</b>	<ul style="list-style-type: none"><li>• <a href="#">DyeMethod<sup>c</sup></a></li><li>• <a href="#">DyeingProcess<sup>c</sup></a></li></ul>

## 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>Sub Property Of</b>	<a href="#">hasProperty<sup>op</sup></a>
<b>Domain</b>	<a href="#">DyeingProcess<sup>c</sup></a>
<b>Range</b>	<a href="#">DyeStuff<sup>c</sup></a>

## 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>Sub Property Of</b>	<a href="#">hasProperty<sup>op</sup></a>
<b>Range</b>	<a href="#">FinishingProcess<sup>c</sup></a>

## 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>Sub Property Of</b>	<a href="#">hasTextileProductionProcess<sup>op</sup></a>

## has fraction of product to leakage during use<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasFractionOfProductToLeakageDuringUse">http://w3id.org/CEON/ontology/textile/hasFractionOfProductToLeakageDuringUse</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/statement/hasQuantityInterval">http://w3id.org/CEON/ontology/statement/hasQuantityInterval</a>
<b>Domain</b>	<a href="#">TextileProductToLeakageStatement<sup>c</sup></a>
<b>Range</b>	<a href="http://w3id.org/CEON/ontology/quantity#QuantityInterval">http://w3id.org/CEON/ontology/quantity#QuantityInterval</a>

## has origin<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasOrigin">http://w3id.org/CEON/ontology/textile/hasOrigin</a>
<b>Domain</b>	<a href="#">TextileProductObject<sup>c</sup></a> or <a href="#">TextileProduct<sup>c</sup></a>
<b>Range</b>	<a href="#">TextileProductOrigin<sup>c</sup></a>

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

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

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

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

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

**Range**

- [PrintMethod<sup>c</sup>](#)
- [PrintingProcess<sup>c</sup>](#)

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

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

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

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

**Range** [PrintStuff<sup>c</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>](#)
- [hasColor<sup>op</sup>](#)
- [Dye Stuff<sup>op</sup>](#)
- [hasFinishing<sup>op</sup>](#)
- [Print Finishing<sup>op</sup>](#)
- [Print Stuff<sup>op</sup>](#)
- [hasWaterProperty<sup>op</sup>](#)

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

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

## has textile product component value<sup>op</sup>

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

**Sub Property Of** <http://qudt.org/schema/qudt/quantityValue>

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

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

## has textile product matter composition value<sup>op</sup>

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

**Sub Property Of** <http://qudt.org/schema/qudt/quantityValue>

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

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

## has textile product recycled content<sup>op</sup>

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

**Sub Property Of** <http://qudt.org/schema/qudt/quantityValue>

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

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

## has textile product renewable content<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasTextileProductRenewableContent">http://w3id.org/CEON/ontology/textile/hasTextileProductRenewableContent</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue</a>
<b>Domain</b>	<a href="#">TextileProductRenewableContent</a> <sup>c</sup>
<b>Range</b>	<a href="#">TextileProductRenewableContentValue</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasTextileProductType">http://w3id.org/CEON/ontology/textile/hasTextileProductType</a>
<b>Domain</b>	<a href="#">TextileProduct</a> <sup>c</sup>
<b>Range</b>	<a href="#">TextileProductType</a> <sup>c</sup>

## has textile production process<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/hasTextileProductionProcess">http://w3id.org/CEON/ontology/textile/hasTextileProductionProcess</a>
<b>Super Property Of</b>	<ul style="list-style-type: none"><li>• <a href="#">Dye Method</a><sup>op</sup></li><li>• <a href="#">Finishing Step</a><sup>op</sup></li><li>• <a href="#">Print Method</a><sup>op</sup></li></ul>
<b>Domain</b>	<a href="#">TextileProduct</a> <sup>c</sup>
<b>Range</b>	<a href="#">TextileProductionProcess</a> <sup>c</sup>

## has water property<sup>op</sup>

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/productCompositionDisclosureAvailability">http://w3id.org/CEON/ontology/textile/productCompositionDisclosureAvailability</a>
<b>Range</b>	<a href="http://w3id.org/CEON/ontology/statement/Availability">http://w3id.org/CEON/ontology/statement/Availability</a>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/productCompositionDisclosureValidation">http://w3id.org/CEON/ontology/textile/productCompositionDisclosureValidation</a>
<b>Range</b>	<a href="http://w3id.org/CEON/ontology/statement/Validation">http://w3id.org/CEON/ontology/statement/Validation</a>

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

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

**Sub Property Of** <http://w3id.org/CE0N/ontology/quantity#objectValue><sup>op</sup>

## Datatype Properties

numerical value<sup>dp</sup>

**IRI** <http://qudt.org/schema/qudt/numericalValue>

available information<sup>dp</sup>

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

**Super Property Of**

- [isBiodegradabilityTestAvailable](#)<sup>dp</sup>
- [isMaterialSafetyDataSheetForDyeingAvailable](#)<sup>dp</sup>
- [isMaterialSafetyDataSheetForFinishingAvailable](#)<sup>dp</sup>
- [isMaterialSafetyDataSheetForProductAvailable](#)<sup>dp</sup>
- [isTechnicalDataSheetAvailable](#)<sup>dp</sup>

contains hazardous substance above0.1for post consumer recycled content<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/textile/containsHazardousSubstanceAbove0.1ForPostConsumerRecycledContent>

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

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

contains hazardous substance above0.1for pre consumer recycled content<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/ontology/textile/containsHazardousSubstanceAbove0.1ForPreConsumerRecycledContent>

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

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

## design for better use<sup>dp</sup>

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

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

**Super Property Of**

- [designedForActivelyPositiveImpact](#)<sup>dp</sup>
- [impossibleForMaintenanceOrRepair](#)<sup>dp</sup>
- [isConsumablesEasilyReplacedByUntrainedPerson](#)<sup>dp</sup>
- [isMaintainedOrRepairedByTrainedPerson](#)<sup>dp</sup>
- [isMaintainedOrRepairedByUntrainedPerson](#)<sup>dp</sup>
- [isSparePartsAvailable](#)<sup>dp</sup>
- [needsMaintenanceOrRepair](#)<sup>dp</sup>
- [withoutHarmfulDispersionOrEmission](#)<sup>dp</sup>

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

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

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

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

**Super Property Of**

- [designedForCleanBiodigestion](#)<sup>dp</sup>
- [designedForCleanIncinerationPyrolysis](#)<sup>dp</sup>
- [designedForCompostingInHomeComposter](#)<sup>dp</sup>
- [designedForCompostingInIndustrialFacility](#)<sup>dp</sup>
- [designedForIndustrialCascading](#)<sup>dp</sup>
- [designedForRecycling](#)<sup>dp</sup>
- [designedForRefurbishment](#)<sup>dp</sup>
- [designedForRemanufacturing](#)<sup>dp</sup>
- [designedForReuse](#)<sup>dp</sup>
- [designedForReuseWithMinimalModification](#)<sup>dp</sup>
- [designedForUsingReversibleConnector](#)<sup>dp</sup>

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

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

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

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

## designed for actively positive impact<sup>dp</sup>

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

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



designed for clean biodigestion<sup>dp</sup>

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

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

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

designed for clean incineration pyrolysis<sup>dp</sup>

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

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

designed for composting in home composter<sup>dp</sup>

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

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

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

designed for composting in industrial facility<sup>dp</sup>

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

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

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

designed for industrial cascading<sup>dp</sup>

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

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

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

designed for recycling<sup>dp</sup>

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

**Description** The product is designed for recycling?

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

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

## 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>Sub Property Of</b>	<a href="#">designForProperties<sup>dp</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</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>Sub Property Of</b>	<a href="#">designForProperties<sup>dp</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</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>Sub Property Of</b>	<a href="#">designForProperties<sup>dp</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</a>

## designed for reuse with minimal modification<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designedForReuseWithMinimalModification">http://w3id.org/CE0N/ontology/textile/designedForReuseWithMinimalModification</a>
<b>Sub Property Of</b>	<a href="#">designForProperties<sup>dp</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</a>

## designed for using reversible connector<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/designedForUsingReversibleConnector">http://w3id.org/CE0N/ontology/textile/designedForUsingReversibleConnector</a>
<b>Sub Property Of</b>	<a href="#">designForProperties<sup>dp</sup></a>
<b>Domain</b>	<a href="#">TextileProductDesignForDisassembly<sup>c</sup></a>
<b>Range</b>	<a href="#">xsd:boolean</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>

has cas number<sup>dp</sup>

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

has chemical compliance<sup>dp</sup>

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

has collection parameter<sup>dp</sup>

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

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

has company name<sup>dp</sup>

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

**Sub Property Of** <http://w3id.org/CE0N/ontology/actor/hasOrganisationName>

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

has country specific corporate identification number<sup>dp</sup>

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

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

has finishing steps<sup>dp</sup>

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

has product id code<sup>dp</sup>

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

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

has textile type<sup>dp</sup>

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

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

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

impossible for maintenance or repair<sup>dp</sup>

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

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

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

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

**Description** Biodegradability test is available.

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

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

is ce marked<sup>dp</sup>

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

**Description** The product has theCE mark.

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

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

is collection system available<sup>dp</sup>

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

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

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

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

is consumables easily replaced by untrained person<sup>dp</sup>

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

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

is contained substance from reach very high concern list<sup>dp</sup>

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

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

is contained substance in cmr harmonized classification<sup>dp</sup>

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

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

is maintained or repaired by trained person<sup>dp</sup>

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

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

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

is maintained or repaired by untrained person<sup>dp</sup>

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

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

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

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

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

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

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

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

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

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

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

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

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

is material safety data sheet for product available<sup>dp</sup>

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

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

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

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

is metal contained<sup>dp</sup>

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

**Description** The product contains metal.

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

is restricted susbtance contained out of reachxvii<sup>dp</sup>

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

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

is spare parts available<sup>dp</sup>

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

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

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

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

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

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

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

is trims included<sup>dp</sup>

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

**Description** The product includes trims.

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

is warned under california proposition65<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/textile/isWarnedUnderCaliforniaProposition65>

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

needs maintenance or repair<sup>dp</sup>

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

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

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

renewable content managed in sustainable way<sup>dp</sup>

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

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

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

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

without harmful dispersion or emission<sup>dp</sup>

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

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

## Annotation Properties

has maximal value included of interval<sup>ap</sup>

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

has minimal value included of interval<sup>ap</sup>

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

has minimal value not included of interval<sup>ap</sup>

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

## Ld Tmapping<sup>ap</sup>

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

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

## Pcd Smapping<sup>ap</sup>

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

## Namespaces

:

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

**actorODP** <http://w3id.org/CE0N/ontology/actorODP/>

**dcterms** <http://purl.org/dc/terms/>

**owl** <http://www.w3.org/2002/07/owl#>

**prov** <http://www.w3.org/ns/prov#>

**rdf** <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

**rdfs** <http://www.w3.org/2000/01/rdf-schema#>

**vann** <http://purl.org/vocab/vann/>

**xsd** <http://www.w3.org/2001/XMLSchema#>

## Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties