

# Circular Economy Ontology Network (CEON) - Textile Module

## Metadata

### IRI

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

### Title

Circular Economy Ontology Network (CEON) - Textile Module

### Creator

Huanyu Li

### Contributor

Eva Blomqvist

### License

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

### 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

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

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

Batch Of Textile Objects <sup>C</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/textile/BatchOfTextileObjects">http://w3id.org/CEON/ontology/textile/BatchOfTextileObjects</a>
Sub Class Of	<a href="http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects">http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects</a> <a href="#">hasColor</a> <sup>op</sup> some <a href="#">Color</a> <sup>C</sup> and <a href="#">hasColor</a> <sup>op</sup> only <a href="#">Color</a> <sup>C</sup>

## 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</a> <sup>C</sup> and <a href="#">actorODP:participantRole</a> value <a href="#">brand</a> <sup>C</sup>

## 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</a> <sup>C</sup> <a href="#">ZDHCCompliance</a> <sup>C</sup>

## Chemical Finishing<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/ChemicalFinishing">http://w3id.org/CEON/ontology/textile/ChemicalFinishing</a>
<b>Sub Class Of</b>	<a href="#">FinishingProcess</a> <sup>C</sup>
<b>Named Individuals</b>	<a href="#">anti-pilling</a> <sup>ni</sup> <a href="#">antiStaticFinishing</a> <sup>ni</sup> <a href="#">antibacterialFinishing</a> <sup>ni</sup> <a href="#">coating</a> <sup>ni</sup> <a href="#">coatingAcrylic</a> <sup>ni</sup> <a href="#">coatingPU</a> <sup>ni</sup> <a href="#">coatingPVC</a> <sup>ni</sup> <a href="#">creaseResistance</a> <sup>ni</sup> <a href="#">enzymeFinishing</a> <sup>ni</sup> <a href="#">flameRetardant</a> <sup>ni</sup> <a href="#">mattingAgent</a> <sup>ni</sup> <a href="#">millWashing</a> <sup>ni</sup> <a href="#">millingAgent</a> <sup>ni</sup> <a href="#">naturalOiling</a> <sup>ni</sup> <a href="#">opticalBrighteners</a> <sup>ni</sup> <a href="#">permanentPress</a> <sup>ni</sup> <a href="#">prepareForDyeing</a> <sup>ni</sup> <a href="#">resins</a> <sup>ni</sup> <a href="#">silicones</a> <sup>ni</sup> <a href="#">soilRelease</a> <sup>ni</sup> <a href="#">stainResistance</a> <sup>ni</sup>

## Color<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/Color">http://w3id.org/CEON/ontology/textile/Color</a>
<b>Sub Class Of</b>	<a href="#">TextileProperty</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasColor</a> <sup>op</sup>
<b>Named Individuals</b>	<a href="#">blue</a> <sup>ni</sup> <a href="#">red</a> <sup>ni</sup> <a href="#">yellow</a> <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** [hasDyeMethod](#)<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** [hasDyeStuff](#)<sup>op</sup>

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

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

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

**Sub Class Of** [TextileProductionProcess](#)<sup>C</sup>  
[hasDyeMethod](#)<sup>op</sup> only [DyeMethod](#)<sup>C</sup> and [hasDyeMethod](#)<sup>op</sup> some [DyeMethod](#)<sup>C</sup>  
[hasDyeStuff](#)<sup>op</sup> some [DyeStuff](#)<sup>C</sup> and [hasDyeStuff](#)<sup>op</sup> only [DyeStuff](#)<sup>C</sup>

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

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

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

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

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

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

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

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

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

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

**Super Class Of**  
[AdhesiveFinishing<sup>C</sup>](#)  
[ChemicalFinishing<sup>C</sup>](#)  
[MechanicalFinishing<sup>C</sup>](#)  
[SkivedFinishing<sup>C</sup>](#)

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

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

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

**Equivalentclass** <http://w3id.org/CEON/ontology/product/complianceWith> value [GRS<sup>C</sup>](#)

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

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

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

## MsdS Compliance<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/MSDSCompliance">http://w3id.org/CEON/ontology/textile/MSDSCompliance</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/product/Compliance">http://w3id.org/CEON/ontology/product/Compliance</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="#">MSDS</a> <sup>c</sup>

## 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</a> <sup>c</sup>
<b><u>Named Individuals</u></b>	<a href="#">calendering</a> <sup>ni</sup> <a href="#">embossing</a> <sup>ni</sup> <a href="#">permanentCreasing</a> <sup>ni</sup> <a href="#">pre-shrinking</a> <sup>ni</sup> <a href="#">steaming</a> <sup>ni</sup> <a href="#">sueding</a> <sup>ni</sup>

## Polyester Fibres<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/PolyesterFibres">http://w3id.org/CEON/ontology/textile/PolyesterFibres</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>

## Print Method<sup>c</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/PrintMethod">http://w3id.org/CEON/ontology/textile/PrintMethod</a>
<b><u>In Range Of</u></b>	<a href="#">hasPrintMethod</a> <sup>op</sup>
<b><u>Named Individuals</u></b>	<a href="#">batikPrinted</a> <sup>ni</sup> <a href="#">digitalPrinted</a> <sup>ni</sup> <a href="#">handPainted</a> <sup>ni</sup> <a href="#">inkjetPrinted</a> <sup>ni</sup> <a href="#">rollerPrinted</a> <sup>ni</sup> <a href="#">screenPrinted</a> <sup>ni</sup> <a href="#">transferPrinted</a> <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** [hasPrintStuff](#)<sup>op</sup>

### 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** [TextileProductionProcess](#)<sup>C</sup>  
[hasPrintMethod](#)<sup>op</sup> only [PrintMethod](#)<sup>C</sup> and [hasPrintMethod](#)<sup>op</sup> some [PrintMethod](#)<sup>C</sup>  
[hasPrintStuff](#)<sup>op</sup> only [PrintStuff](#)<sup>C</sup> and [hasPrintStuff](#)<sup>op</sup> some [PrintStuff](#)<sup>C</sup>

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

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

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

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

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

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

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

## Shoe Lace<sup>C</sup>

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

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

## Shoe Sole<sup>C</sup>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Sub Class Of** <http://w3id.org/CEON/ontology/statement/DisclosedChemicalSubstanceStatement>  
[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** <http://w3id.org/CEON/ontology/resourceODP/isAbout> some [TextileDataSheet<sup>C</sup>](#)  
[hasProperty<sup>op</sup>](#) some [TextileDataSheet<sup>C</sup>](#)

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

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

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

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

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

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

**Super Class Of**

- [TextileChemicalSubstanceThresholdStatement<sup>C</sup>](#)
- [TextileDataSheetIssuingStatement<sup>C</sup>](#)
- [TextileDataSheetUpdateStatement<sup>C</sup>](#)
- [TextileManufacturerStatement<sup>C</sup>](#)
- [TextileManufacturingSiteStatement<sup>C</sup>](#)
- [TextilePostConsumerRecycledCompositionStatement<sup>C</sup>](#)
- [TextilePostConsumerRecycledContentWeightStatement<sup>C</sup>](#)
- [TextilePreConsumerRecycledCompositionStatement<sup>C</sup>](#)
- [TextilePreConsumerRecycledContentWeightStatement<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 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>

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

**Sub Class Of** <http://w3id.org/CEON/ontology/statement/MFOfPreConsumerRecycledMaterialContentStatement>  
[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="#">hasOrigin</a> <sup>op</sup> only <a href="#">TextileProductOrigin</a> <sup>C</sup> <i>and</i> <a href="#">hasOrigin</a> <sup>op</sup> some <a href="#">TextileProductOrigin</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>
<b>Super Class Of</b>	<a href="#">ShoeLace</a> <sup>C</sup> <a href="#">ShoeSole</a> <sup>C</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:participatingObject</a> some <a href="http://w3id.org/CEON/ontology/resourceODP/Constituent">http://w3id.org/CEON/ontology/resourceODP/Constituent</a> <sup>C</sup> <i>and</i> <a href="#">actorODP:participatingSubject</a> some <a href="#">TextileProduct</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 <http://qudt.org/schema/qudt/Unit><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:participatingObject](#) some  
<http://w3id.org/CEON/ontology/resourceODP/Matter<sup>C</sup>> and  
[actorODP:participatingSubject](#) some  
[n46ba79c966684ab0a5d36a6966618b9fb83<sup>C</sup>](#)

**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="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>c</sup> and <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>c</sup> <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</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> some <a href="#">Color</a> <sup>c</sup> and <a href="#">hasColor</a> <sup>op</sup> only <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/CEON/ontology/textile/TextileProductRecycledContentValue">http://w3id.org/CEON/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/numericalValue">http://qudt.org/schema/qudt/numericalValue</a> <sup>dp</sup> some <a href="http://qudt.org/schema/qudt/numericalValue">n46ba79c966684ab0a5d36a6966618b9fb106</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="#">hasTextileProductRecycledContent</a> <sup>op</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductRenewableContent">http://w3id.org/CEON/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> <i>max</i> 1 <a href="#">TextileProductRenewableContent</a> <sup>c</sup>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/TextileProductRenewableContentValue">http://w3id.org/CEON/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://qudt.org/schema/qudt/numericalValue">n46ba79c966684ab0a5d36a6966618b9fb115</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/CEON/ontology/textile/TextileProductRenewableContet">http://w3id.org/CEON/ontology/textile/TextileProductRenewableContet</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/statement/MassFractionOfRenewableMaterialStatement">http://w3id.org/CEON/ontology/statement/MassFractionOfRenewableMaterialStatement</a> <a href="#">TextileDataSheetStatement</a> <sup>c</sup>
<b>Restriction</b>	<a href="http://w3id.org/CEON/ontology/statement/statementAbout">http://w3id.org/CEON/ontology/statement/statementAbout</a> some <a href="#">TextileProductRenewableContet</a> <sup>c</sup> <a href="http://w3id.org/CEON/ontology/statement/statementAbout">http://w3id.org/CEON/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/25gt-50le<sup>C</sup>> or  
[hasFractionOfProductToLeakageDuringUse<sup>op</sup>](#) value  
<http://w3id.org/CEON/demo/textile/0ge-1le<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/75gt-95le<sup>C</sup>> or  
[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>>

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

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

## has 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="#">topObjectProperty</a> <sup>op</sup>
<b>Domain</b>	<a href="#">DyeingProcess</a> <sup>c</sup>
<b>Range</b>	<a href="#">DyeMethod</a> <sup>c</sup>

## has 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</a> <sup>op</sup>
<b>Domain</b>	<a href="#">DyeingProcess</a> <sup>c</sup>
<b>Range</b>	<a href="#">DyeStuff</a> <sup>c</sup>

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

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

## has 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</a> <sup>op</sup>
<b>Range</b>	<a href="#">FinishingProcess</a> <sup>c</sup>

## 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</a> <sup>c</sup>
<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</a> <sup>c</sup> or <a href="#">TextileProduct</a> <sup>c</sup>
<b>Range</b>	<a href="#">TextileProductOrigin</a> <sup>c</sup>

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>](#)

has print method<sup>op</sup>

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

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

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

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

has 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>](#)
- [hasDyeStuff<sup>op</sup>](#)
- [hasFinishing<sup>op</sup>](#)
- [Print Finishing<sup>op</sup>](#)
- [hasPrintStuff<sup>op</sup>](#)
- [hasWaterProperty<sup>op</sup>](#)

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/hasTextileProductComponentValue">http://w3id.org/CE0N/ontology/textile/hasTextileProductComponentValue</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="#">TextileProductComponentRelation<sup>c</sup></a>
<b>Range</b>	<a href="#">TextileProductComponentValue<sup>c</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/hasTextileProductMatterCompositionValue">http://w3id.org/CE0N/ontology/textile/hasTextileProductMatterCompositionValue</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="#">TextileProductMatterCompositionRelation<sup>c</sup></a>
<b>Range</b>	<a href="#">TextileProductMatterCompositionValue<sup>c</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/hasTextileProductRecycledContent">http://w3id.org/CE0N/ontology/textile/hasTextileProductRecycledContent</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="#">TextileProductRecycledContent<sup>c</sup></a>
<b>Range</b>	<a href="#">TextileProductRecycledContentValue<sup>c</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/hasTextileProductRenewableContent">http://w3id.org/CE0N/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<sup>c</sup></a>
<b>Range</b>	<a href="#">TextileProductRenewableContentValue<sup>c</sup></a>

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

<b>IRI</b>	<a href="http://w3id.org/CE0N/ontology/textile/hasTextileProductType">http://w3id.org/CE0N/ontology/textile/hasTextileProductType</a>
<b>Domain</b>	<a href="#">TextileProduct<sup>c</sup></a>
<b>Range</b>	<a href="#">TextileProductType<sup>c</sup></a>

### 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>	<a href="#">hasFinishingStep<sup>op</sup></a>
<b>Domain</b>	<a href="#">TextileProduct<sup>c</sup></a>
<b>Range</b>	<a href="#">TextileProductionProcess<sup>c</sup></a>

### 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<sup>op</sup></a>
<b>Range</b>	<a href="#">WaterProperty<sup>c</sup></a>

### 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>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/recyclingAtSameQualityRange">http://w3id.org/CEON/ontology/textile/recyclingAtSameQualityRange</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/quantity#objectValue&lt;sup&gt;op&lt;/sup&gt;">http://w3id.org/CEON/ontology/quantity#objectValue<sup>op</sup></a>

## Datatype Properties

### numerical value<sup>dp</sup>

<b>IRI</b>	<a href="http://qudt.org/schema/qudt/numericalValue">http://qudt.org/schema/qudt/numericalValue</a>
------------	---

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>

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

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

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

designed for remanufacturing<sup>dp</sup>

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

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

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

designed for reuse<sup>dp</sup>

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

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

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

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

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

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

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

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

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

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

**Domain** [TextileProductDesignForDisassembly](#)<sup>C</sup>

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

emission by design<sup>dp</sup>

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

**Description** The portion of the product known to be emitted into the environment during use is designed for that purpose.

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

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/CE0N/ontology/textile/impossibleForMaintenanceOrRepair>

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

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

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

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

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

**IRI** <http://w3id.org/CEON/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 restriced susbtance contained out of reachxvii<sup>dp</sup>

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

**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/CE0N/ontology/textile/isWarnedUnderCaliforniaProposition65>

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

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

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

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

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

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/reeneableContentManagedInSustainableWay">http://w3id.org/CEON/ontology/textile/reeneableContentManagedInSustainableWay</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/product/hasCertificate">http://w3id.org/CEON/ontology/product/hasCertificate</a>
<b>Domain</b>	<a href="#">TextileProductRenewableContent</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/withoutHarmfulDispersionOrEmission">http://w3id.org/CEON/ontology/textile/withoutHarmfulDispersionOrEmission</a>
<b>Sub Property Of</b>	<a href="#">designForBetterUse</a> <sup>dp</sup>

## Annotation Properties

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/quantity#hasMaximalValueIncludedOfInterval">http://w3id.org/CEON/ontology/quantity#hasMaximalValueIncludedOfInterval</a>
------------	---

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/quantity#hasMinimalValueIncludedOfInterval">http://w3id.org/CEON/ontology/quantity#hasMinimalValueIncludedOfInterval</a>
------------	---

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

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/quantity#hasMinimalValueNotIncludedOfInterval">http://w3id.org/CEON/ontology/quantity#hasMinimalValueNotIncludedOfInterval</a>
------------	---

Ld Tmapping<sup>ap</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/LDTmapping">http://w3id.org/CEON/ontology/textile/LDTmapping</a>
<b>Range</b>	<a href="#">xsd:string</a>

Pcd Smapping<sup>ap</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/textile/PCDSmapping">http://w3id.org/CEON/ontology/textile/PCDSmapping</a>
------------	---

## Namespaces

:

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