Circular Economy Ontology Network (CEON) - Textile Module

Metadata

IRI

```
http://w3id.org/CEON/demo/textile/
```

Title

Circular Economy Ontology Network (CEON) - Textile Module

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Version Iri

http://w3id.org/CEON/demo/textile/0.1/

Version Info

0.1

Preferred Namespace Uri

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

Description

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

Classes

Regulation [c]

IRI	`http://w3id.org/CEON/ontology/textile/Regulation`

Origin [c]

IRI	`http://w3id.org/CEON/ontology/textile/Origin`
In Range Of	hasOrigin [op]
Named Individuals	original [ni] recycled [ni] reused [ni]

Amount Interval Value [c]

IRI	`http://w3id.org/CEON/ontology/textile/AmountIntervalValue`
Super Class Of	LeakageAmountInterval [c] PostConsumerRecycledContentInterval [c] PreConsumerRecycledContentInterval [c] RecyclingAtSameLevelAmountInterval [c]

Amount Threshold [C]

IRI

http://w3id.org/CEON/ontology/textile/AmountThreshold

In Range Of

disclosureValue [op]

Named Individuals

_0.01perc [ni]
_0.1perc [ni]
_1perc [ni]

Availability [C]

IRI

http://w3id.org/CEON/ontology/textile/Availability

Named Individuals

public [ni]
secrecyAgreement [ni]

Batch Of Textile Objects [C]

IRI

http://w3id.org/CEON/ontology/textile/BatchOfTextileObjects

Sub Class Of

http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects

Restriction

hasColor [op] some
BatchOfTextileObjects [C]

Chemical Finishing [C]

IRI

`http://w3id.org/CEON/ontology/textile/ChemicalFinishing`

Sub Class Of

TextileFinishing [C]

Named Individuals

anti-pilling [ni]
antiStaticFinishing [ni]
antibacterialFinishing [ni]
coating [ni]
coatingAcrylic [ni]
coatingPU [ni]
coatingPVC [ni]
creaseResistance [ni]
enzymeFinishing [ni]
flameRetardant [ni]
mattingAgent [ni]
millWashing [ni]
millingAgent [ni]
naturalOiling [ni]
opticalBrighteners [ni]
permanentPress [ni]
prepareForDyeing [ni]
resins [ni]
silicones [ni]
soilRelease [ni]
stainResistance [ni]

Color [C]

IRI

`http://w3id.org/CEON/ontology/textile/Color`

In Range Of

hasColor [op]

Dye [c]

IRI
`http://w3id.org/CEON/ontology/textile/Dye`

Sub Class Of
TextileProperty [c]

Named Individuals
acidDye [ni]
analineDye [ni]
azoDye [ni]
basicDye [ni]
chromeDye [ni]
directDye [ni]
disperseDye [ni]
mordantDye [ni]
narturalDye [ni]
pigmentBiosynthetic [ni]
pigmentNatural [ni]
pigmentSynthetic [ni]
reactiveDye [ni]
vatDye [ni]

Dyeing Process [c]

IRI
`http://w3id.org/CEON/ontology/textile/DyeingProcess`

Sub Class Of
TextileManufacturingProcess [c]

In Range Of
Dye Method [op]

Leakage Amount Interval [C]

IRI
`http://w3id.org/CEON/ontology/textile/LeakageAmountInterval`

Sub Class Of
AmountIntervalValue [C]

Named Individuals
_10to25Perc [ni]
_1to10Perc [ni]
_25to50Perc [ni]
_50-75Perc [ni]
_75to95Perc [ni]
above95Perc [ni]
lessThan1Perc [ni]

Mechanical Finishing [C]

IRI
`http://w3id.org/CEON/ontology/textile/MechanicalFinishing`

Sub Class Of
TextileFinishing [C]

Named Individuals
calendering [ni]
embossing [ni]
permanentCreasing [ni]
pre-shrinking [ni]
steaming [ni]
sueding [ni]

Post Consumer Recycled Content Interval [C]

IRI	http://w3id.org/CEON/ontology/textile/PostConsumerRecycledContentInterval
Sub Class Of	AmountIntervalValue [C]
Named Individuals	_0perc [ni] _0to10Perc [ni] _10to25Perc [ni] _25to50Perc [ni] _50-75Perc [ni] _75to95Perc [ni] above95Perc [ni]

Pre Consumer Recycled Content Interval [C]

IRI	http://w3id.org/CEON/ontology/textile/PreConsumerRecycledContentInterval
Sub Class Of	AmountIntervalValue [C]
Named Individuals	_0perc [ni] _0to10Perc [ni] _10to25Perc [ni] _25to50Perc [ni] _50-75Perc [ni] _75to95Perc [ni] above95Perc [ni]

Print ^C

IRI

```
http://w3id.org/CEO
N/ontology/textile/
Print
```

Sub Class Of

http://w3id.org/CEON/ontology/resourceODP/Constituent

Print Stuff ^C

IRI

```
http://w3id.org/CEO
N/ontology/textile/
PrintStuff
```

Sub Class Of

http://w3id.org/CEON/ontology/resourceODP/Matter

Named Individuals

acidDye [ni]
analineDye [ni]
azoDye [ni]
basicDye [ni]
chromeDye [ni]
directDye [ni]
disperseDye [ni]
mordantDye [ni]
narturalDye [ni]
pigmentBiosynthetic [ni]
pigmentNatural [ni]
pigmentSynthetic [ni]
reactiveDye [ni]
sulfurDye [ni]
vatDye [ni]

Printing Process [c]

IRI

`http://w3id.org/CEON/ontology/textile/PrintingProcess`

Sub Class Of

TextileManufacturingProcess [c]

In Range Of

Print Method [op]

Named Individuals

batikPrinted [ni]
digitalPrinted [ni]
handPainted [ni]
inkjetPrinted [ni]
rollerPrinted [ni]
screenPrinted [ni]
transferPrinted [ni]

Recycling At Same Level Amount Interval [c]

IRI

`http://w3id.org/CEON/ontology/textile/RecyclingAtSameLevelAmountInterval`

Sub Class Of

AmountIntervalValue [c]

Named Individuals

_0perc [ni]
_0to10Perc [ni]
_10to25Perc [ni]
_25to50Perc [ni]
_50-75Perc [ni]
_75to95Perc [ni]
_95to99Perc [ni]
above99Perc [ni]

Textile Chemical Substance Threshold Statement ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileChemicalSubstanceThresholdStatement`
Sub Class Of	TextileDataSheetStatement ^C
In Domain Of	disclosureValue ^{op}

Textile Data Sheet ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileDataSheet`
Sub Class Of	http://w3id.org/CEON/ontology/datasheet/DataSheet
Restriction	hasProperty ^{op} some TextileDataSheet ^C http://w3id.org/CEON/ontology/resourceODP/isAbout some TextileDataSheet ^C

Textile Data Sheet Issuing Statement ^C

IRI

```
http://w3id.org/CEO
N/ontology/textile/
TextileDataSheetIss
uingStatement
```

Sub Class Of

TextileDataSheetStateme
nt ^C

Textile Data Sheet Statement [C]

IRI	`http://w3id.org/CEON/ontology/textile/TextileDataSheetStatement`
Sub Class Of	http://w3id.org/CEON/ontology/provenance/Statement
Super Class Of	TextileChemicalSubstanceThresholdStatement [C] TextileDataSheetIssuingStatement [C] TextileDataSheetUpdateStatement [C] TextileManufacturerStatement [C] TextileManufacturingSiteStatement [C] TextileProductCertification [C] TextileProductComponentRelation [C] TextileProductCompositionDisclosureStatement [C] TextileProductCompositionOfConcern [C] TextileProductCompositionWeightFraction [C] TextileProductDataSheet [C] TextileProductDesignForDisassembly [C] TextileProductDesignForRecycling [C] TextileProductDesignForRefurbishment [C] TextileProductDesignForRemanufacturing [C] TextileProductDesignForReuseMethod [C] TextileProductDesignedForBetterUse [C]

TextileProductManufacturingMethod ^C
TextileProductMatterCompositionRelation ^C
TextileProductRecycledContent ^C
TextileProductRenewableContet ^C

Textile Data Sheet Update Statement ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileDataSheetUpdateStatement`
Sub Class Of	TextileDataSheetStatement ^C

Textile Finishing ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileFinishing`
Sub Class Of	TextileProperty ^C
In Range Of	hasFinishing ^{op}
Super Class Of	ChemicalFinishing ^C MechanicalFinishing ^C

Textile Manufacturer Statement [c]

IRI
http://w3id.org/CEON/ontology/textile/TextileManufacturerStatement

Sub Class Of
TextileDataSheetStatement [c]

Textile Manufacturing Process [c]

IRI
http://w3id.org/CEON/ontology/textile/TextileManufacturingProcess

In Range Of
hasTextileManufacturingProcess [op]

Super Class Of
DyeingProcess [c]
PrintingProcess [c]

Named Individuals
directDyed [ni]
dopeDyed [ni]
pieceDyed [ni]
topDyed [ni]
undyed [ni]
yarnDyed [ni]

Textile Manufacturing Site Statement ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileManufacturingSiteStatement`
Sub Class Of	TextileDataSheetStatement^C

Textile Product ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProduct`
Sub Class Of	http://w3id.org/CEON/ontology/product/Product
In Domain Of	hasTextileProductType^{op}
Restriction	hasColor^{op} some TextileProduct^C hasTextileProductType^{op} some TextileProduct^C

Textile Product Certification ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductCertification`
Sub Class Of	TextileDataSheetStatement^C

Textile Product Component Relation ^C

IRI

`http://w3id.org/CEON/ontology/textile/TextileProductComponentRelation`

Sub Class Of

http://qudt.org/schema/qudt/Quantity
TextileDataSheetStatement ^C
http://w3id.org/CEON/ontology/actorODP/ResourceParticipation
http://w3id.org/CEON/ontology/actorODP/participatingSubject some
TextileProduct ^C *and*
http://w3id.org/CEON/ontology/actorODP/participatingObject some
http://w3id.org/CEON/ontology/resourceODP/Constituent ^C *and*
http://qudt.org/schema/qudt/numericalValue some
n10ae3ac83ae24ed4b5c88994c071dbf8b15 ^C *and*
http://qudt.org/schema/qudt/hasUnit some
http://qudt.org/schema/qudt/Unit ^C

Textile Product Composition Disclosure Statement ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductCompositionDisclosureStatement`
Sub Class Of	TextileDataSheetStatement ^C
In Range Of	chemicalSubstanceDisclosureThreshold ^{op}

Textile Product Composition Of Concern ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductCompositionOfConcern`
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Composition Weight Fraction ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductCompositionWeightFraction`
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Data Sheet [C]

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductDataSheet`
Sub Class Of	TextileDataSheetStatement [C]

Textile Product Design For Disassembly [C]

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductDesignForDisassembly`
Sub Class Of	TextileDataSheetStatement [C]
Super Class Of	TextileProductDesignToBeCleanlyRemoved [C] TextileProductDesignToBeDismantled [C]

Textile Product Design For Recycling [C]

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductDesignForRecycling`
Sub Class Of	TextileDataSheetStatement [C]
In Range Of	desinged for recycling at the same level of quality [op]
Restriction	recyclingAtSameQualityRange [op] some TextileProductDesignForRecycling [C]

Textile Product Design For Refurbishment [C]

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductDesignForRefurbishment`
Sub Class Of	TextileDataSheetStatement [C]

Textile Product Design For Remanufacturing ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignForRemanufacturing
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Design For Reuse Method ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignForReuseMethod
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Design To Be Cleanly Removed ^C

IRI	http://w3id.org/CEON/ontology/textile/TextileProductDesignToBeCleanlyRemoved
Sub Class Of	TextileProductDesignForDisassembly ^C

Textile Product Design To Be Dismantled ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductDesignToBeDismantled`
Sub Class Of	TextileProductDesignForDisassembly ^C

Textile Product Designed For Better Use ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductDesignedForBetterUse`
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Manufacturing Method ^C

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductManufacturingMethod`
Sub Class Of	TextileDataSheetStatement ^C

Textile Product Matter Composition Relation [C]

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductMatterCompositionRelation`
Sub Class Of	http://qudt.org/schema/qudt/Quantity TextileDataSheetStatement [C] http://w3id.org/CEON/ontology/actorODP/ResourceParticipation http://w3id.org/CEON/ontology/actorODP/participatingSubject some n10ae3ac83ae24ed4b5c88994c071dbf8b26 [C] *and* http://w3id.org/CEON/ontology/actorODP/participatingObject some http://w3id.org/CEON/ontology/resourceODP/Matter [C]

Textile Product Object [C]

IRI	`http://w3id.org/CEON/ontology/textile/TextileProductObject`
Sub Class Of	http://w3id.org/CEON/ontology/product/ProductObject
Restriction	hasColor [op] some TextileProductObject [C]

Textile Product Recycled Content [C]

IRI

`http://w3id.org/CEON/ontology/textile/TextileProductRecycledContent`

Sub Class Of

http://qudt.org/schema/qudt/Quantity
TextileDataSheetStatement [C]
http://w3id.org/CEON/ontology/actorODP/ResourceParticipation
http://qudt.org/schema/qudt/numericalValue some n10ae3ac83ae24ed4b5c88994c071dbf8b39 [C] *and* http://qudt.org/schema/qudt/hasUnit some http://qudt.org/schema/qudt/Unit [C] *and* http://w3id.org/CEON/ontology/provenance/statementAbout some n10ae3ac83ae24ed4b5c88994c071dbf8b35 [C]

Textile Product Renewable Contet [C]

IRI

`http://w3id.org/CEON/ontology/textile/TextileProductRenewableContet`

Sub Class Of

TextileDataSheetStatement [C]

Textile Product Type [C]

IRI

http://w3id.org/CEON/ontology/textile/TextileProductType

In Range Of

hasTextileProductType [op]

Textile Property [C]

IRI

http://w3id.org/CEON/ontology/textile/TextileProperty

Super Class Of

Dye [C]
TextileFinishing [C]
WaterProperty [C]

Textile Recycling Process [C]

IRI

http://w3id.org/CEON/ontology/textile/TextileRecyclingProcess

In Range Of

textileProductDesignForRecycling [op]

Named Individuals

biodigestion [ni]
biosphereCascading [ni]
homeComposting [ni]
incineration [ni]
industrialComposting [ni]

Validation ^{C}

IRI

http://w3id.org/CEON/ontology/textile/Validation

Named Individuals

certified ^{ni}
validatedByThirdParty ^{ni}

Water Property ^{C}

IRI

http://w3id.org/CEON/ontology/textile/WaterProperty

Sub Class Of

TextileProperty ^{C}

In Range Of

Water Property ^{op}

Named Individuals

Water repellent ^{ni}
Water resistant ^{ni}
Waterproof ^{ni}

Brand Of Resource ^C

IRI	`http://w3id.org/CEON/ontology/textile/BrandOfResource`
Sub Class Of	http://w3id.org/CEON/ontology/actorODP/ResourceRelation
Equivalentclass	http://w3id.org/CEON/ontology/actorODP/ResourceRelation ^C *and* http://w3id.org/CEON/ontology/actorODP/participantRole value brand ^C

Reach Compliance ^C

IRI	`http://w3id.org/CEON/ontology/textile/REACHCompliance`
Sub Class Of	http://w3id.org/CEON/ontology/product/Compliance
Equivalentclass	http://w3id.org/CEON/ontology/product/complianceWith value REACH ^C

Object Properties

anticipated leakage during use ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/anticipatedLeakageDuringUse`
Description	Percentage of the product content anticipated to become leakage during the use phase due to for example wear & tear, oxidation, erosion, etc.
Sub Property Of	hasProperty ^{op}

chemical substance disclosure threshold ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/chemicalSubstanceDisclosureThreshold`
Range	TextileProductCompositionDisclosureStatement ^c

desinged for recycling at the same level of quality ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/designedForRecyclingAtSameQuality`
Description	Percentage of the product that is designed for recycling at the same level of quality. The remainder of the materials is foreseen by the manufacturer to be recycled at a lower quality than the original content.
Sub Property Of	hasProperty ^{op}
Range	TextileProductDesignForRecycling ^c

disclosure value ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/disclosureValue`
Sub Property Of	http://w3id.org/CEON/ontology/quantity#objectValue
Domain	TextileChemicalSubstanceThresholdStatement ^c
Range	AmountThreshold ^c

has color ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasColor`
Domain	http://w3id.org/CEON/ontology/resourceODP/BatchOfObjects ^C *or* http://w3id.org/CEON/ontology/product/ProductObject ^C *or* http://w3id.org/CEON/ontology/product/Product ^C
Range	Color ^C

Dye Method ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasDyeMethod`
Sub Property Of	hasTextileManufacturingProcess ^{op}
Range	DyeingProcess ^C

Dye Stuff ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasDyeStuff`
Sub Property Of	hasProperty ^{op}

has finishing ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasFinishing`
Sub Property Of	hasProperty ^{op}
Range	TextileFinishing ^c

Finishing Step ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasFinishingStep`
Sub Property Of	hasTextileManufacturingProcess ^{op}

has post consumer recycled content amount ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPostConsumerRecycledContentAmount`
Sub Property Of	http://w3id.org/CEON/ontology/product/hasComposition

has pre consumer recycled content amount ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPreConsumerRecycledContentAmount`
Sub Property Of	http://w3id.org/CEON/ontology/product/hasComposition

Print Finishing ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPrintFinishing`
Sub Property Of	hasProperty ^{op}

Print Method ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPrintMethod`
Sub Property Of	hasTextileManufacturingProcess ^{op}
Range	PrintingProcess ^c

Print Stuff ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasPrintStuff`
Sub Property Of	hasProperty ^{op}

has property ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/hasProperty`
Super Property Of	- anticipatedLeakageDuringUse ^{op} - desinged for recycling at the same level of quality ^{op} - Dye Stuff ^{op} - hasFinishing ^{op} - Print Finishing ^{op} - Print Stuff ^{op} - Water Property ^{op}
Domain	http://w3id.org/CEON/ontology/datasheet/DataSheet
Range	http://w3id.org/CEON/ontology/provenance/Statement

has textile manufacturing process ^{op}

IRI

`http://w3id.org/CEON/ontology/textile/hasTextileManufacturingProcess`

Super Property Of

- Dye Method ^{op}
- Finishing Step ^{op}
- Print Method ^{op}

Range

TextileManufacturingProcess ^c

has textile product type ^{op}

IRI

`http://w3id.org/CEON/ontology/textile/hasTextileProductType`

Domain

TextileProduct ^c

Range

TextileProductType ^c

Water Property ^{op}

IRI

`http://w3id.org/CEON/ontology/textile/hasWaterProperty`

Sub Property Of

hasProperty ^{op}

Range

WaterProperty ^c

product composition disclosure availability ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/productCompositionDisclosureAvailability`

product composition disclosure validation ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/productCompositionDisclosureValidation`

recycling at same quality range ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/recyclingAtSameQualityRange`
Sub Property Of	http://w3id.org/CEON/ontology/quantity#objectValue

textile product design ^{op}

IRI	`http://w3id.org/CEON/ontology/textile/textileProductDesign`
Super Property Of	textileProductDesignForRecycling ^{op}

textile product design for recycling ^{op}

IRI
`http://w3id.org/CEON/ontology/textile/textileProductDesignForRecycling`

Description
Product designed for a certain recycling method.

Sub Property Of
textileProductDesign ^{op}

Range
TextileRecyclingProcess ^c

weight fraction of disclosed substances ^{op}

IRI
`http://w3id.org/CEON/ontology/textile/weightFractionOfDisclosedSubstances`

has origin ^{op}

IRI
`http://w3id.org/CEON/ontology/textile/hasOrigin`

Range
Origin ^c

Datatype Properties

has type ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/hasType
Description	Description of the kind of product.
Range	xsd:string

contains metal ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/containsMetal
Description	The product contains metal.
Range	xsd:boolean

includes trims ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/includesTrims
Description	The product includes trims.
Range	xsd:boolean

production site ^{dp}

IRI

`http://w3id.org/CEON/ontology/textile/productionSite`

Description

The location where the product was produced.

Range

xsd:string

C Emark ^{dp}

IRI

`http://w3id.org/CEON/ontology/textile/CEmark`

Description

The product has theCE mark.

Sub Property Of

certification ^{dp}

Range

xsd:boolean

available information ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/availableInformation`
Super Property Of	- biodegradabilityTestAvailable ^{dp} - materialSafetyDataSheetAvailable ^{dp} - materialSafetyDataSheetForDyeingAvailable ^{dp} - materialSafetyDataSheetForFinishingAvailable ^{dp} - technicalDataSheetAvailable ^{dp}

biodegradability test available ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/biodegradabilityTestAvailable`
Description	Biodegradability test is available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

certification ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/certification
Super Property Of	CEmark ^{dp}

chemical compliance ^{dp}

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

collection parameter ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/collectionParameter
Super Property Of	collectionSystem ^{dp}

collection system ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/collectionSystem
Description	The manufacturer/ industry association has a dedicated collection system in place to gather and deliver products for recycling.
Sub Property Of	collectionParameter ^{dp}
Range	xsd:boolean

design for properties ^{dp}

IRI	http://w3id.org/CEON/ontology/textile/designForProperties
Super Property Of	• designedForRecycling ^{dp} • designedForRefurbishment ^{dp} • designedForRemanufacturing ^{dp} • designedForReuse ^{dp}

design for recycling amounts ^{dp}

IRI
`http://w3id.org/CEON/ontology/textile/designForRecyclingAmounts`

Super Property Of emissionByDesign ^{dp}

designed for recycling ^{dp}

IRI
`http://w3id.org/CEON/ontology/textile/designedForRecycling`

Description
The product is designed for recycling?e

Sub Property Of designForProperties ^{dp}

designed for refurbishment ^{dp}

IRI
`http://w3id.org/CEON/ontology/textile/designedForRefurbishment`

Description
The product is desinged for refurbishment?

Sub Property Of designForProperties ^{dp}

designed for remanufacturing ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/designedForRemanufacturing`
Description	The product is designed for remanufacturing?
Sub Property Of	designForProperties ^{dp}

designed for reuse ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/designedForReuse`
Sub Property Of	designForProperties ^{dp}
Super Property Of	designedForReuseWMinimalMod ^{dp}

designed for reuse w minimal mod ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/designedForReuseWMinimalMod`
Description	The product is designed for re-use as-is or with minimal modification.
Sub Property Of	designedForReuse ^{dp}

emission by design ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/emissionByDesign`
Description	The portion of the product known to be emitted into the environment during use is designed for that purpose.
Sub Property Of	designForRecyclingAmounts ^{dp}

finishing steps ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/finishingSteps`

material safety data sheet available ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/materialSafetyDataSheetAvailable`
Description	Material Safety Data Sheet for the product is available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

material safety data sheet for dyeing available ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/materialSafetyDataSheetForDyeingAvailable`
Description	Material Safety Data Sheets for Dyeing are available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

material safety data sheet for finishing available ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/materialSafetyDataSheetForFinishingAvailable`
Description	Material Safety Data Sheets for Finishing are available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

technical data sheet available ^{dp}

IRI	`http://w3id.org/CEON/ontology/textile/technicalDataSheetAvailable`
Description	The Technical Data Sheet is available.
Sub Property Of	availableInformation ^{dp}
Range	xsd:boolean

Annotation Properties

C Fmapping ^{ap}

IRI	`http://w3id.org/CEON/ontology/textile/CFmapping`

Pcd Smapping ^{ap}

IRI	`http://w3id.org/CEON/ontology/textile/PCDSmapping`

Namespaces

:

`http://w3id.org/CEON/ontology/textile/`

dcterms

http://purl.org/dc/terms/

owl

http://www.w3.org/2002/07/owl#

prov

http://www.w3.org/ns/prov#

rdf

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

rdfs

http://www.w3.org/2000/01/rdf-
schema#

vann

http://purl.org/vocab/vann/

xsd

http://www.w3.org/2001/XMLSchema
#

Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties