

# Circular Economy Ontology Network (CEON) - Product Module

## Metadata

### IRI

<http://w3id.org/CEON/ontology/product/>

### Title

Circular Economy Ontology Network (CEON) - Product Module

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### Date Created

2023-03-16

### License

<https://github.com/LiUSemWeb/CEON/blob/master/LICENSE>

### Version Iri

<http://w3id.org/CEON/ontology/product/0.1/>

### Version Info

0.1

### Preferred Namespace Prefix

product

### Preferred Namespace Uri

<http://w3id.org/CEON/ontology/product/>

### Description

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

### Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.1: CVN-Resource-2, CVN-ResourceType-4, C11-2, C12-1, C13-3, E2-1, T8-3.

## Classes

Product <sup>C</sup>	
IRI	<a href="http://w3id.org/CEON/ontology/product/Product">http://w3id.org/CEON/ontology/product/Product</a>
Description	A product is a physical object put into a market for sale. The product can be a thing that grows naturally or produced through some chemical or manufacturing processes.
Sub Class Of	<a href="#">resourceODP:PhysicalObject</a> <sup>C</sup> <a href="#">hasProductComponent</a> <sup>OP</sup> some <a href="#">ProductComponent</a> <sup>C</sup> <i>and</i> <a href="#">hasProductComponent</a> <sup>OP</sup> only <a href="#">ProductComponent</a> <sup>C</sup>
In Domain Of	<a href="#">hasProductComponent</a> <sup>OP</sup>

## ProductComponent<sup>C</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/ProductComponent>

**Description** A product component is a part of a product.

**Sub Class Of** [resourceODP:Constituent<sup>C</sup>](#)

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

## Constituent<sup>C</sup>

**IRI** <http://w3id.org/CE0N/ontology/resourceODP/Constituent>

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

## Matter<sup>C</sup>

**IRI** <http://w3id.org/CE0N/ontology/resourceODP/Matter>

## Physical Object<sup>C</sup>

**IRI** <http://w3id.org/CE0N/ontology/resourceODP/PhysicalObject>

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

## Resource<sup>C</sup>

**IRI** <http://w3id.org/CE0N/ontology/resourceODP/Resource>

## Object Properties

### hasProductComponent<sup>OP</sup>

**IRI** <http://w3id.org/CE0N/ontology/product/hasProductComponent>

**Description** hasProductComponent intends to represent that a product can have a collection of components.

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

**Range** [ProductComponent<sup>C</sup>](#)

## Annotation Properties

contributor <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/contributor">http://purl.org/dc/terms/contributor</a>
created <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/created">http://purl.org/dc/terms/created</a>
creator <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/creator">http://purl.org/dc/terms/creator</a>
description <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/description">http://purl.org/dc/terms/description</a>
license <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>
title <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>
preferred namespace prefix <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespacePrefix">http://purl.org/vocab/vann/preferredNamespacePrefix</a>
preferred namespace uri <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespaceUri">http://purl.org/vocab/vann/preferredNamespaceUri</a>
covers requirements <sup>ap</sup>	
IRI	<a href="http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements">http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements</a>

## Namespaces

:

<http://w3id.org/CEON/ontology/product/>

**dcterms**

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

**odp**

<http://www.ontologydesignpatterns.org/schemas/cannotationschema.owl#>

**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#>

**resourceODP**

<http://w3id.org/CEON/ontology/resourceODP/>

**vann**

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

## Legend

c	Classes
op	Object Properties
ap	Annotation Properties