

# Core Digital Product Passport Ontology

## Metadata

### IRI

<http://w3id.org/dppo/ontology/dpp-core/>

### Title

Core Digital Product Passport Ontology

### Creator

Maïke Jansen

### Contributor

Eva Blomqvist

Huanyu Li

Robin Keskisärkkä

### Date Created

2023-10-30

### License

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

### Version Iri

<http://w3id.org/dppo/ontology/dpp-core/0.1/>

### Version Info

0.1

### Preferred Namespace Prefix

dpp-core

### Preferred Namespace Uri

<http://w3id.org/dppo/ontology/dpp-core/>

### Description

This is a minimal core ontology for DPPs, specialising the DPP ODP.

## Classes

<b>Component<sup>C</sup></b>	
<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-core/Component">http://w3id.org/dppo/ontology/dpp-core/Component</a>
<b>Description</b>	A product that is a component of some other product.
<b>Sub Class Of</b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/Product&lt;sup&gt;C&lt;/sup">http://w3id.org/dppo/ontology/dpp-odp/Product<sup>C</sup></a>

## Component DPP<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-core/ComponentDPP>

**Description** A DPP that describes a component.

**Sub Class Of** <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>>

**Equivalentclass** <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>> and <http://w3id.org/dppo/ontology/dpp-odp/describes<sup>OP</sup>> some [Component<sup>C</sup>](#)

## Consumer product<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-core/ConsumerProduct>

**Description** A consumer product, i.e. a product that is sold directly to end users (consumers).

**Sub Class Of** <http://w3id.org/dppo/ontology/dpp-odp/Product<sup>C</sup>>

## Consumer Product DPP<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-core/ConsumerProductDPP>

**Description** A DPP describing a consumer product.

**Sub Class Of** <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>>

**Equivalentclass** <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>> and <http://w3id.org/dppo/ontology/dpp-odp/describes<sup>OP</sup>> some [Consumer product<sup>C</sup>](#)

## Material<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-core/Material>

**Description** A material, that is sold as a product by the producer.

**Sub Class Of** <http://w3id.org/dppo/ontology/dpp-odp/Product<sup>C</sup>>

## Material DPP<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-core/MaterialDPP>

**Description** A DPP describing a material.

**Sub Class Of** <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>>

**Equivalentclass** <http://w3id.org/dppo/ontology/dpp-odp/describes<sup>op</sup>> some [Material<sup>C</sup>](#) *and* <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>>

## Substance<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-core/Substance>

**Description** A substance, that is sold as a product by the producer.

**Sub Class Of** <http://w3id.org/dppo/ontology/dpp-odp/Product<sup>C</sup>>

## Substance DPP<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-core/SubstanceDPP>

**Description** A DPP describing a substance.

**Sub Class Of** <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>>

**Equivalentclass** <http://w3id.org/dppo/ontology/dpp-odp/DPP<sup>C</sup>> *and* <http://w3id.org/dppo/ontology/dpp-odp/describes<sup>op</sup>> some [Substance<sup>C</sup>](#)

## Dpp<sup>C</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-odp/DPP>

**Super Class Of**  
[Component DPP<sup>C</sup>](#)  
[Consumer Product DPP<sup>C</sup>](#)  
[Material DPP<sup>C</sup>](#)  
[Substance DPP<sup>C</sup>](#)

## Product<sup>c</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-odp/Product>

### Super Class Of

[Component<sup>c</sup>](#)  
[Consumer product<sup>c</sup>](#)  
[Material<sup>c</sup>](#)  
[Substance<sup>c</sup>](#)

## Object Properties

### describes<sup>op</sup>

---

**IRI** <http://w3id.org/dppo/ontology/dpp-odp/describes>

## Annotation Properties

### contributor<sup>ap</sup>

---

**IRI** <http://purl.org/dc/terms/contributor>

### created<sup>ap</sup>

---

**IRI** <http://purl.org/dc/terms/created>

### creator<sup>ap</sup>

---

**IRI** <http://purl.org/dc/terms/creator>

### description<sup>ap</sup>

---

**IRI** <http://purl.org/dc/terms/description>

### license<sup>ap</sup>

---

**IRI** <http://purl.org/dc/terms/license>

title<sup>ap</sup>

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

preferred namespace prefix<sup>ap</sup>

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

preferred namespace uri<sup>ap</sup>

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

## Namespaces

:

<http://w3id.org/dppo/ontology/dpp-core/>

**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/>

## Legend

c

Classes

op

Object Properties

ap

Annotation Properties