

TRACE4VALUE DIGITAL PRODUCT PASSPORT IN TEXTILE DATA PROTOCOL



Introduction:

Trace4Value Digital Product Passport in Textile - Data Protocol

The data protocol was developed as part of a Vinnova funded project called Trace4Value. The Trace4Value project brings together partners from several industries to tackle the complex challenge of sustainable system transformation and the shift to climate-neutral and circular production with resource-efficient and resilient value chains.

The focus of the project is traceability for sustainable value chains, based on the premise that Swedish industry is global and embedded in global value chains. The project is organized in domain-specific sub-projects with the shared objective to accelerate the green transition in relevant sectors – and to inspire others to learn and engage. The project is coordinated by RISE Research Institute.

This data protocol is a key deliverable in the Trace4Value sub-project called "Digital Product Passport for Textile". The goal of the sub-project is to create a first version of a digital product passport (DPP) piloted in two textile product lines, from production to sales. Trustrace is the project lead and digital solution provider.

The protocol illustrates the identified data attributes for a first version of a digital product passport in textile. Important to note is that the specific data requirements for a DPP are not yet finalized. This means

that the protocol is the best solution based on available information. We recommend the protocol to lay basis for future work as data specifications evolve over time. The protocol will be updated as more information is available.

The data protocol is developed in collaboration with:



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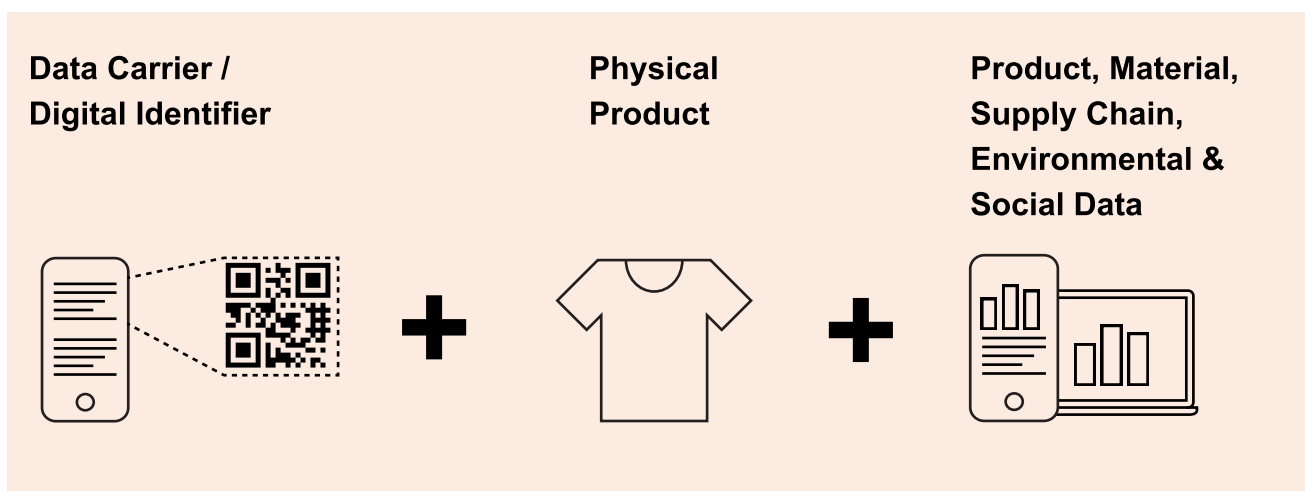
Background – Digital Product Passport in Textile

Textile production doubled during 2000-2015 and is expected to increase by another 63 percent by 2030. At the same time, 11 kg of clothes per person are discarded every year in the EU and every second a truckload of textiles is landfilled or incinerated*. The wasteful linear textile industry is in desperate need of change to a more sustainable and circular one where material use and waste is minimized.

Under the framework of the EU Green Deal, The European Commission published a proposal for Ecodesign for Sustainable Products Regulation on March 30, 2022. The proposed regulation calls for **Digital Product Passports to be mandatory on textiles sold in Europe by 2030** as a means towards environmentally sustainable and circular products.

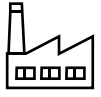
A DPP is an information requirement and digital record that contains information about a product's entire lifecycle, including information like product identifiers, material composition, performance, environmental and social data.

The European Commission proposes DPPs as a secure and standardized way of sharing product information across the entire value chain, and that the data can be accessed via physical identifier like QR code, NFC tag or RFID chip. DPPs will enable sustainability through transparency, improve durability, increase recyclability and reduce waste.

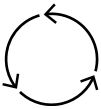


*European Commission 2022 EU Strategy for Sustainable and Circular Textiles

The aim of the digital product passport is to:



Encourage sustainable production



Enable the transition to a circular economy



Help authorities to verify compliance



Help consumers to make sustainable choices



Provide new business opportunities

Dependencies for a DPP system to evolve according to the European Commission are;

- Access to data to all actors along the value chain
- Based on a decentralised data system
- The means to connect the unique item to multiple sources of data
- Data being exchanged by different parties in a way that is machine-readable and interoperable, use open standards, updatable by all stakeholders.
- Data carrier physically present on product and/or packaging
- Identifies product uniquely
- Easily accessible by scanning a data carrier such as QR code
- Product information recorded in passport registry set up by Commission





Trace4Value Sub-project Digital Product Passport in Textile

The Trace4Value sub project, Digital Product Passport in Textile, will tag garments in production with a digital carrier linked to specific product data that will generate a product ID.

The DPP will store supply chain and transparency data that will be accessible by the consumer, the brands, and authorities from the point of sale. The use case will be tested on chosen products in both Kappahl's and Marimekko's product lines.

The passport should capture and store relevant product data based on the first phase of the digital product passport from an authority/EU, brand and consumer perspective. The passport should enable unique product identification and easily share data between different parties by following standards and what is already being developed in other ongoing projects and initiatives globally.

For a successful project it is necessary to:

- Establish data needs for DPP in accordance with the latest regulatory development, brands requirements and consumer needs
- Using standards and protocols to enable interoperability
- Building the right architecture and infrastructure to collect, link and share data
- Creating a consumer interface

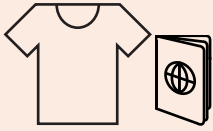
One of the key deliverables in the project is the Data Protocol which identifies data needs and enable information sharing. The protocol includes; (1) structure and categorisation of data attributes based on standards and (2) identified data needs based on brands- and consumer requirements, DPP guidance from the EU and relevant policies.

The project started in Q2 2022 and ends in Q3 2024.

Project partners:



What are we doing in the project?



Providing each product with a unique ID



Attaching a QR code for each product, linking the unique ID and product data



The information can be accessed by brands, consumers and authorities by scanning the QR code

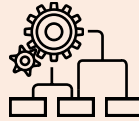
How are we doing it?



Prioritizing data based on brands requirements, policies & consumer needs



Using standards and protocols to enable interoperability



Building the right architecture and infrastructure to collect, link and share data



Creating consumer interface

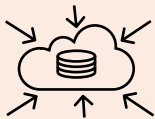
Why is a data protocol needed to enable a DPP system?



Prioritize data needs

The data protocol informs what type of data to collect, based on brands requirement, policies and consumer needs

So that we can...



Collect the right data

The right type of data is collected from various data sources using a resolver and APIs

So that we can...



Enable information sharing

The collected data is organized and clustered using the data protocol which is based on global standards

So that we can...



Share information in a DPP

The data is visible to the consumer and other stakeholders in a DPP interface after scanning the QR code

Data Protocol – Prerequisites

The data protocol is based on the following:

- Data identified in the latest development on the DPP Guidance from the EU
- Brands' and consumers' requirements
- Relevant policies (ie Textile Regulation, ESPR, REACH, French AGECL law)
- GS1 standards
- Other industry initiatives and open data standards

The intended scope of the DPP is information related to product and company identification, material and composition, sustainability, circularity, compliance, value retention for re-use, remanufacturing and recycling.

Presently known information requirements for the DPP from the ESPR proposal is listed below.

- Unique product identifier
- Global Trade Identification Number or its equivalent
- Relevant commodity codes
- Compliance documentation
- Substances of concern/Harmful substances
- User manuals, care instructions, warnings or safety
- Information about manufacturer (unique operator identifiers)
- Material and composition information (substance level)
- Voluntary EU Ecolabels
- Information for consumers, end-users and treatment facilities on circularity services/possibilities

97 necessary data points were identified in the data protocol. However, the scope of this Trace4Value sub-project is to pilot a first version of the DPP. This means that only some of the data fields presented in the protocol will be collected in the pilot. In addition, not all data attributes are relevant for all stakeholders. Authorities, consumers and recyclers need different types of data. There is an ongoing work in validating what data is important for which stakeholder.

Since there are no harmonised standards for data protocols in textile, this protocol offers a systematic way of categorising data; each data field is linked to an item number which is linked to an info group. An example and definition is provided for each data field as is a description of the data format.

Info Group

Contains all data fields within a similar theme

Item Number

The unique number that identifies each data field and links each data field to its info group

Data Field Name

Name of the data field

Example

Example of the data field

Data Format

Describes in which format the data will be in

Definition

Explanation of the data field

A snapshot of the Data Protocol, illustrating one Item Number in each Info Group.

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Brand information	100,00	Brand	<i>Kappahl</i>	Open text (brief)	The primary brand of the product, and typically the brand on the label.
Supply chain information	200,00	Supplier Name	<i>COTTON DIVISION</i>	Open text (brief)	The name of the company operating the specific manufacturing facility where production took place.
Product information	300,00	Product Identification Systems	<i>GTIN</i>	Text (fixed format)	The Product ID system a brand uses to uniquely identify a product that will be digitized. Today, companies use different systems for identifying their products, such as GTIN, SKU, or Style Numbers.
Material information	350,00	Component	<i>Body fabric, trim, lining fabric, etc</i>	Text (from standard list)	Part of the product that is being described with info about material type, fiber composition, recycled content, etc.
Digital identifier	370,00	Data Carrier/Identifier Type	<i>RFID thread, NFC chip, QR code, etc.</i>	Text (from standard list)	The type of physical data carrier attached to the product
Care information	400,00	Care Image	<i>Care icons image</i>	Image (format?)	Image of care icons
Compliance information	500,00	Harmful Substances	Yes / No	Open text (brief)	The presence of harmful substances must be disclosed with the mention "contains a harmful substance" if said substance is present at a concentration higher than 0.1% (in weight) in the product. The statement is followed by the name of all the harmful substances present in the product. French Decree No. 2022-748; Art. R. 541-221.IX
Circularity information	600,00	Performance	TBC	TBC	TBC
Sustainability information	650,00	Circular, Sustainable, Social Brand Statement	<i>The [company name] Foundation uses philanthropic resources to find, fund and facilitate disruptive innovations, initiatives and research that enable a socially inclusive and planet positive textile industry.</i>	Open text (multi-line)	Information provided about circular, sustainable, and social practices in place, as written by the brand. Excludes certifications on product. This information is guided by the Green Claims Directive.

Data Protocol - Overview

The 97 data attributes identified in the protocol and their correlating Info Groups are illustrated below.

Brand Information (100)

Brand
Logo
Sub brand
Parent Company
Trader
Trader Location

Product Information (300)

Product Identification Systems
Product Identification Value
Unique Product ID
Product Name
Consumer-Facing Description
Photo
Article Number
Item Number
PO Number
Commodity Code System
Commodity Code Number
Year of Intended Sale (new)
Season of Intended Sale (new)
Price Currency
MSRP
Resale Price
Size
Country Code for Size
Color (Brand)
Color (General)
Category
Product Group
Type – Line Concept
Type- Item
Age Group
Gender
Market Segment
Water Properties
Final product Net Weight
Unit of Weight

Digital Identifier (370)

Data Carrier/Identifier Type
Data Carrier/Identifier Material
Data Carrier/Identifier Location

Circularity Information (600)

Performance
Recyclability
Take Back Instructions
Recycling Instructions
Disassembly Instructions Sorters
Disassembly Instructions User
c.f Circular Design Strategy*
c.f Circular Design Strategy Description*
Repair Instructions

Supply Chain Information (200)

Supplier name
Supplier location
Facility Registry
Facility identifier
Operator Registry
Operator Identifier
Country of Origin – confection
Country of Origin - dyeing and printing
Country of Origin – weaving and knitting

Material Information (350)

Component
Material
Content Name
Content Value
Content Source
Material Trade Marks
Content Name Other
Trim Type
Component Weight
Recycled
Recycled Percentage
Recycled Input Source
Leather Species
Leather Grade
Leather Species Other
Leather Pattern
Leather Thickness
Leather Max
Leather Min
Sewing Tread Content
Print Ink Type
Dye Class
Dye Class Standard
Finishes
Pattern

Care Information (400)

Care Image
Care Text
Safety Information

Compliance Information (500)

Harmful Substances
Harmful Substances Info
Certifications
Certifications Validation
Chemical Compliance (Standard)
Chemical Compliance Validation
Chemical Compliance Scan 4 Chem Link
Microfibers
Traceability Provider

Sustainability Information (650)

Circular, Sustainable, Social Brand Statement
Circular, Sustainable, Social Brand Statement Link
Quantified Environmental Footprint

*c.f stands for [circular.fashion](#) and the data is based on their standard lists.

Assumptions have been taken on data requirements and standards. The data protocol is developed in a flexible way to be modified or updated once requirements are announced. The data attributes illustrated on this page is based on the first version of the protocol as per date 06-09-2023

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Brand information	100,00	Brand	<i>Kappahl</i>	Open text (brief)	The primary brand of the product, and typically the brand on the label.
Brand information	101,00	Logo	<i>Logo visual</i>	Image (png, jpeg)	Brand logo
Brand information	102,00	Sub Brand	<i>Marimekko Kioski</i>	Open text (brief)	Brands may have sub-brands under which products are sold, often with different garment labels and/or sold within specialty collections or campaigns.
Brand information	103,00	Parent Company	<i>ABC Holdings</i>	Open text (brief)	The full name of the registered business entity who puts the product on the market, or if it exists, the parent company of the primary brand of the product.
Brand information	104,00	Trader	<i>Zalando</i>	Open text (brief)	Name of the company putting the product on the market. This can be the brand or another company.
Brand information	105,00	Trader Location	<i>100 AVENUE DU GENERAL LECLERC - France</i>	Text (fixed format)	The physical address of the trader company.
Supply chain information	200,00	Supplier Name	<i>COTTON DIVISION</i>	Open text (brief)	The name of the company operating the specific manufacturing facility where production took place.
Supply chain information	201,00	Supplier Location	<i>100 AVENUE DU GENERAL LECLERC - France</i>	Text (fixed format)	The physical address of the manufacturing facility where production took place.
Supply chain information	202,00	Facility Registry	<i>GLN OSH</i>	Text (fixed format)	The <u>name</u> of the registry used to identify the specific value chain facility where production took place (e.g. OSH, GLN, etc) May be the same as Operator Registry
Supply chain information	202,10	Facility Identifier	<i>FR202206770RY8G</i>	Text (fixed format)	The <u>number</u> in the registry used to identify the specific manufacturing facility where production took place (e.g. OSH, GLN, etc) May be the same as Operator Identifier
Supply chain information	203,00	Operator Registry	<i>GLN</i>	Text (fixed format)	The <u>name</u> of the registry used to identify the operator involved in specific value chain steps (e.g. OSH, GLN, etc) May be the same as Facility Registry
Supply chain information	203,10	Operator Identifier	<i>4066837000008</i>	Text (fixed format)	The <u>number</u> in the registry used to identify the operator involved in specific value chain steps (e.g. OSH, GLN, etc) May be the same as Facility Identifier
Supply chain information	204,00	Country of Origin - Confection	<i>China Portugal Taiwan Vietnam</i>	Text (from standard list)	The country in which the final product was manufactured
Supply chain information	205,00	Country of Origin - Dyeing and Printing	<i>China Portugal Taiwan Vietnam</i>	Text (from standard list)	The country in which the final product was manufactured
Supply chain information	206,00	Country of Origin - Weaving and Knitting	<i>China Portugal Taiwan Vietnam</i>	Text (from standard list)	The country in which the final product was manufactured

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Product information	300,00	Product Identification Systems	<i>GTIN</i>	Text (fixed format)	The Product ID system a brand uses to uniquely identify a product that will be digitized. Today, companies use different systems for identifying their products, such as GTIN, SKU, or Style Numbers.
Product information	300,10	Product Identification Value	<i>56123965435465</i>	Text (fixed format)	The value associated with the Product ID system a brand uses to identify a style or SKU.
Product information	300,20	Unique Product ID	<i>Searilized GTIN (See GS1 guidance for specifics)</i>	Text (fixed format)	The unique identification number assigned to individual products. With this, a single item can be differentiated from others under the same SKU, style number, GTIN, etc.
Product information	301,00	Product Name	<i>Eloisasti Koukero</i>	Open text (brief)	A unique, short name that is given to each product by the brand
Product information	302,00	Consumer-Facing Description	<i>The Eloisasti knitted wool vest has a relaxed, straight fit and it features the Koukero pattern. The vest has a double-ribbed O-neck and dropped sleeve openings. The hemline has wide ribbing and side slits.</i>	Open text (multi-line)	The brief consumer-facing description of the product, which lists essential properties and is often used as the primary description for e-commerce
Product information	303,00	Photo	<i>Photo of item</i>	image	Product images
Product information	304,00	Article Number	<i>3132001-9999</i>	Text (fixed format)	Style number + color number
Product information	304,10	Item Number	<i>3132001-9999-XS</i>	Text (fixed format)	Style number + color number + size
Product information	305,00	PO Number	<i>PO 26032023-03402</i>	Text (fixed format)	Unique Purchase Order Number assigned to a specific transaction
Product information	306,00	Commodity Code System	<i>HS code</i>	Open text (multi-line)	Legal commodity code system used for international trade
Product information	306,10	Commodity Code Number	<i>6203 620342 62034231</i>	Open text (single-line)	Legal commodity code number used for international trade
Product information	307,00	Year of Intended Sale (New)	<i>2022</i>	Number (fixed format)	The year in which the product will be (was) originally marketed and sold
Product information	307,10	Season of Intended Sale (New)	<i>SP/SU</i>	Text (from standard list)	The season in which the product will be (was) originally marketed and sold
Product information	308,00	Price Currency	<i>USD EUR GBP</i>	Text (fixed format)	Standard currency code for price information
Product information	308,10	MSRP	<i>265,55</i>	Number (fixed format)	The Manufacturer Suggested Retail Price (MSRP), which is the intended full price of the product as established by the brand
Product information	308,20	Resale Price	<i>185,15</i>	Number (fixed format)	The price of the item when sold for reuse
Product information	309,00	Size	<i>38 ---- M</i>	Open text (brief)	The size of the garment as listed on the garment label

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Product information	309,10	Country Code for Size	<i>EU USA FR International</i>	Text (from standard list)	The country code that corresponds to the sizing systems used for the product
Product information	310,00	Color (Brand)	<i>Canary Deep ocean Fire red Rosie</i>	Open text (brief)	The main color represented on the garment as described by the brand
Product information	311,00	Color (General)	<i>black grey multicoloured navy red uncoloured white</i>	Text (from standard list)	The main color of the product, as defined in the standard's values
Product information	312,00	Category	<i>clothing accessories footwear other</i>	Text (from standard list)	High level description of product category to differentiate between clothing, footwear, etc
Product information	312,10	Product Group	<i>Top Bottom</i>	Text (from standard list)	Product category name. This should be included if the company uses the Higg Index for Product Categorization.
Product information	313,00	Type - Line Concept	<i>Active Wear Maternity Protective Wear Sleep Wear</i>	Text (from standard list)	Higher level product description to group apparel by use, often used in e-commerce and mixed in with names of specific item types. Equivalent to GS1 Product Family for Product Categorization.
Product information	314,00	Type - Item	<i>Jacket Pants Blouse Sweater</i>	Text (from standard list)	The specific type of apparel item that describes the product.
Product information	315,00	Age Group	<i>18-24 months</i>	Open text (Brief)	Age group that the product is intended for
Product information	316,00	Gender	<i>Unisex</i>	Text (from standard list)	Gender that the product is intended for
Product information	317,00	Market Segment	<i>mass-market mid-price premium luxury</i>	Text (from standard list)	Market segment of the product
Product information	318,00	Water Properties	<i>No Water properties Waterproof Water Repellent Water Resistant</i>	Text (from standard list)	Water properties on the finished product.
Product information	319,00	Final Product Net Weight	<i>0,26</i>	Number (fixed format)	The weight of the finished product excluding packaging, in kilograms.
Product information	319,10	Unit of Weight	<i>kg</i>	Text (from standard list)	Unit of measurement used for the Final Product Net Weight

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Material information	350,00	Component	<i>Body fabric, trim, lining fabric, etc</i>	Text (from standard list)	Part of the product that is being described with info about material type, fiber composition, recycled content, etc.
Material information	350,10	Material	<i>Textile Leather Rubber</i>	Text (from standard list)	The type of material a component is made from; this selection dictates further materials description needs, such as fiber composition, leather grade, etc.
Material information	350,20	Content Name	<i>Cotton Polyester</i>	Text (from standard list)	For textile products, this describes the type of fiber used for a specific component.
Material information	350,21	Content Value	<i>100% 50% 5%</i>	Number (fixed format)	For textile products, this is the percentage of the fiber used for a specific component.
Material information	350,22	Content Source	<i>Content Name: Viscose Content Source: Eucalyptus</i>	Text (from standard list)	For textile products, this is the source of fiber
Material information	350,23	Material Trade Marks	<i>Circulose Polylana Tencel Tencel EcoVero</i>	Open text (brief)	Trademarks and branded material names used in finished products, excluding certifications
Material information	350,30	Content Name Other	<i>Opossum</i>	Open text (brief)	Used if the content is not available in the pre-defined Content Name list and "other" was selected
Material information	350,40	Trim Type	<i>Zipper, button</i>	Text (from standard list)	Used when a component is market as a trim, this is a description of the type of trim that is used.
Material information	350,50	Component Weight	<i>10</i>	Number (fixed format)	The weight of the component being described; must be the same unit as final garment weight
Material information	351,00	Recycled	<i>Yes / No</i>	Checkbox	Selected if the material composition has a certain percentage of recycled input.
Material information	351,10	Recycled Percentage	<i>Product comprising at least [%] of recycled materials</i>	Number (fixed format)	Percentage of recycled materials in product.
Material information	351,20	Recycled Input Source	<i><u>Recycled</u>: checked <u>Recycled Input Source</u>: Post-consumer packaging</i>	Text (from standard list)	If there is recycled content, the source of the input needs to be selected
Material information	352,00	Leather Species	<i>Bovine Fish Goat Pig Sheep</i>	Text (from standard list)	Only available for leather Species of animal
Material information	352,10	Leather Grade	<i>Bonded Corrected Grain Full Grain Fur/Hair Split-grain</i>	Text (from standard list)	Only available for leather Leather grade
Material information	352,11	Leather Species Other	<i>Badger</i>	Open text (brief)	Only available for leather Used if the species is not available in the pre-defined Content Name list and "other" was selected

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Material information	352,20	Leather Pattern	<i>No pattern Embossing Embroidery Laser engraving Perforation Printing</i>	Text (from standard list)	Only available for leather Type of pattern, texture or decorative surface treatment
Material information	352,30	Leather Thickness	3	Number (fixed format)	Only available for leather alternatives Thickness in mm
Material information	352,40	Leather Max	3	Number (fixed format)	Only available for leather Maximum thickness in mm
Material information	352,50	Leather Min	1,5	Number (fixed format)	Only available for leather Minimum thickness in mm
Material information	353,00	Sewing Thread Content	<i>Polyester</i>	Text (from standard list)	The fiber composition of sewing yarns used
Material information	354,00	Print Ink Type	<i>Soy</i>	Text (from standard list)	The type of ink that was used, if the textile or product was printed
Material information	355,00	Dye Class	<i>Pigment</i>	Text (from standard list)	The type of dye process used
Material information	355,10	Dye Class Standard	<i>eBIZ / Euratex</i>	Text (from standard list)	The standard list used to select the type of dye process used
Material information	356,00	Finishes	<i>Anti-microbial</i>	Text (from standard list)	The finishes applied to the product or components
Material information	357,00	Pattern	<i>No Pattern Heathered Chevron Floral Gingham Herringbone</i>	Text (from standard list)	The types of pattern
Digital identifier	370,00	Data Carrier/Identifier Type	<i>RFID thread, NFC chip, QR code, etc.</i>	Text (from standard list)	The type of physical data carrier attached to the product
Digital identifier	370,10	Data Carrier/Identifier Material	<i>Polyester</i>	Text (from standard list)	The type of material the data carrier is made from. Multiple materials may be needed.
Digital identifier	370,20	Data Carrier/Identifier Location	<i>Back neck, right sleeve cuff</i>	Text (from standard list)	The location on the garment on which the physical identifier may be found.
Care information	400,00	Care Image	<i>Care icons image</i>	Image (format TBC)	Image of care icons

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Care information	401,00	Care Text	<i>Machine wash cold, lay flat to dry</i>	Open text (multi-line)	Written description on how to take care of the product, e.g - wash carefully in cold water, air dry, etc
Care information	402,00	Safety Information	<i>Keep away from fire</i>	Open text (multi-line)	Written description of warnings or safety information
Compliance information	500,00	Harmful Substances	Yes / No	Open text (brief)	The presence of harmful substances must be disclosed with the mention "contains a harmful substance" if said substance is present at a concentration higher than 0.1% (in weight) in the product. The statement is followed by the name of all the harmful substances present in the product. French Decree No. 2022-748; Art. R. 541-221.IX
Compliance information	500,10	Harmful Substances Info	Name of harmful substance	Open text (brief)	French Decree No. 2022-748; Art. R. 541-221.IX
Compliance information	501,00	Certifications	<i>Fair Trade GOTS GRS RCS RWS</i>	Text (from standard list)	Certifications or marks of compliance that the product has received, including both product and material certifications.
Compliance information	501,10	Certifications Validation	<i>Evidence provided for above claim</i>	TBC	TBC - What is legally required in EU?
Compliance information	502,00	Chemical Compliance (Standard)	<i>AFFIRM C2C REACH ZDHC</i>	Text (from standard list)	The list of product level chemical compliance certifications or regulations with which the product complies.
Compliance information	502,10	Chemical Compliance Validation	<i>Evidence provided for above claim</i>	TBC	TBC - What is legally required in EU?
Compliance information	502,20	Chemical Compliance Scan 4 Chem Link	<i>Link to Scan 4 Chem website</i>	Open text (brief)	Optional if none of the options for chemical_compliance are applicable
Compliance information	503,00	Microfibers	Yes / No	Open text (brief)	Information regarding microplastic fibers shall appear with the following mention "the product rejects plastic microfibers in the environment during washing" if the product contains more than 50% of synthetic fibers by weight.
Compliance information	504,00	Traceability Provider	<i>TrusTrace</i>	Open text (brief)	Solution provider for the product's traceability data, may be multiple
Circularity information	600,00	Performance	TBC	TBC	TBC
Circularity information	601,00	Recyclability	TBC	Open text (brief)	When product is identified as "most recyclable product", recyclability information must be disclosed. - Specific guidelines are available in French Decree No. 2022-748; Art. R. 541-221.VI.
Circularity information	602,00	Take Back Instructions	TBC	Open text (multi-line)	Description on how to return item after use.

Info Group	Item Number	Data Field Name	Examples	Data Format	Definition
Circularity information	603,00	Recycling Instructions	TBC	Open text (multi-line)	Description on how to recycle the garment.
Circularity information	604,00	Disassembly Instructions Sorters	TBC	Open text (multi-line)	Description on how to take components apart at sorting/recycling stage if needed.
Circularity information	605,00	Disassembly Instructions User	TBC	Open text (multi-line)	Description on how to take components apart for users.
Circularity information	606,00	c.f Circular Design Strategy*	<i>Material Cyclability Mono Cycle Disassembly Longevity Physical Durability</i>	Text (from standard list)	Name of the circular design strategy that has been applied
Circularity information	606,10	c.f Circular Design Strategy Description*	<i>Adjustable Sizing</i>	Text (from standard list)	Description of the circular design strategy used written by circular.fashion
Circularity information	607,00	Repair Instructions	TBC	Open text (multi-line)	Description of how to repair the garment.
Sustainability information	650,00	Circular, Sustainable, Social Brand Statement	<i>The [company] foundation uses philanthropic resources to find, fund and facilitate disruptive innovations, initiatives and research that enable a socially inclusive and planet positive textile industry.</i>	Open text (multi-line)	Information provided about circular, sustainable, and social practices in place, as written by the brand. Excludes certifications on product. This information is guided by the Green Claims Directive.
Sustainability information	650,10	Circular, Sustainable, Social Brand Statement Link	URL to web page	Open text Link (multiple)	Link(s) to EU Certificate of Conformity and / or more information about circular, sustainable, and social practices in place, as validated by a 3rd party or reported in regulatory reporting systems. Excludes certifications on product. This information is guided by the Green Claims Directive
Sustainability information	651,00	Quantified Environmental Footprint	TBC	TBC	TBC

*c.f. stands for circular.fashion and the data is based on their standard lists.

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