circularity.ID®
Open Data Standard v4

circularity.ID® Open Data Standard Version 4.0

Version: 4.0
Publishing Date: 7.2023

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Introduction

Over nine years of research, pilots, and collaboration with stakeholders along the fashion value chain have generated in-depth insights into the needs and requirements of making and managing a circular product. Those insights have been translated into the creation of the fourth public stable release of the circularity.ID® Open Data Standard.

Description

The circularity.ID® Open Data Standard describes essential digital product data for clothing and textiles to enable circular economy and recyclability in the fashion industry. Products identifiable with the circularity.ID® Open Data Standard make the entire story of a product and its material components accessible and enable circular use and end-of-life phase on the data level.

Objective & Scope

The circularity.ID® Open Data Standard is intended for use in the fashion industry for the labelling, identification and storing of digital product data, optimising products for a circular economy. It is specifically targeting the circularity and recyclability of textiles, and ultimately designed for the potential of fibre-to-fibre recycling.

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In short, the circularity.ID® can ensure that:

1) Information on essential material and chemical components is assessed, stored and accessible

2) Product data is automatically recognised by software at sorting facilities

3) Products are matched to appropriate recyclers, to be recyclable to best knowledge and method according to the current state of technology at end-of-life

4) Essential product information is available to consumers to enable longevity and multiple use cycles for a product, e.g through redesign and resell services.

Technical Documentation

All documentation and resources can be retrieved from the Github repository, containing XML-Schema, validation tools and example data (https://github.com/circularfashion/cf-circularity-id-standard).

Contact

The circularity.ID® is initiated and administered by circular.fashion UG (haftungsbeschränkt).

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Guidelines for Use

Use of circularity.ID® Open Data Standard

The circularity.ID® Open Data Standard can be used according to the License GNU General Public License v3.0. and always needs to be referenced when using or modifying the standard. Using the circularity.ID® Open Data Standard does not imply that a product was tested for recyclability by circular.fashion, but the use of the standard data format enables circular.fashion to conduct Circular Product Checks, and supports connected services and applications. The circularity.ID® Open Data Standard does not imply that data created according to the standard must be made public. For integrating and complying with the standard through proprietary software (e.g. PLM Software) not compatible with the license please contact team@circular.fashion .

Use of circularity.ID® Trademark

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Data Structure

The circularity.ID® open data standard contains different levels of data points, which are described below:

Levels of Data

Product

Variation

Assembly

Material

Product The product level describes the generic product that comes in different variations (e.g. a style in different colours) and thus does not represent a physical object.

Variation This level breaks down the product to specific characteristics that distinguish individual products within a product group from one another. This includes, for example, not only the color, gender or season, but also certificates or the individual production steps.

Assembly If a product contains separable or modular layers or parts, these layers are listed as an assembly. Each assembly, for example the inner or outer layer of a coat, can be added separately.

Material On the material level the different components of the assemblies are described in detail, e.g. fabric, thread, buttons

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Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Unit	sgtin	Serialized Global Trade Item Number (allows you to individually identify different units of the same product)	unique String		Optional	GS1
Product						
Product	name	Product Name (as defined by the brand, e.g "Slim Summer Shirt".	Text		Mandatory	
Product	product_name	name on product sites to be displayed (e.g "Slim Summer Shirt - black".)	Text		Mandatory	GS1, CPDP, PCDS
Product	product_category	Category of product; e.g apparel, footwear, accessories	Select	clothing accessories footwear other	Mandatory	
Product	product_type	Type of product; e.g trousers, shirt, dress etc (options to be found in old schema)	Select	Please contact us for options	Mandatory	
Product	size_country_code	Which size metric is applied; EU, US etc	MultiSelect	EU FR IT UK International	Mandatory	CPDP
Product	disassembly_instructions_sorters	Description on how to take components apart at sorting/recycling stage if needed.	Text		Optional	
Product	disassembly_instructions_user	Description on how to take components apart for users.	Text		Optional	
Product	water_properties	Water properties on the finished product.	Select	No Water Properties Waterproof Water Repellent Water Resistant	Optional	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Product	brand_name	The fashion brand, e.g. H&M, Hugo Boss, etc	Text		Mandatory	GS1
Product	sub_brand_name	The sub-brand of the product, if applicable	Text		Optional	GS1
Product	brand_description	Description of the brand written by the brand	Text		Optional	
Product	parent_organization	A company owning several brands, like H&M group, Inditex, Kering etc.	Text		Optional	CPDP
Product	brand_logo	Brand logo	Image		Optional	
Product	brand_image	Image that expresses brand's identity or DNA (in addition to logo)	Image		Optional	
Product	market_segment	Market segment of the product	Select	mass-market mid-price premium luxury	Optional	
Product	price_currency	Currency of the price listed	Select	Currency options follow ISO 4217	Optional	
Product	sustainability_info	Sustainability statement by the brand written by the brand	Text		Optional	
Product	production_description	Description of production of the garment written by the brand "e.g produced with love in Berlin"	Text		Optional	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Product	production_image	Add an image of the production	Image		Optional	
Product	services	The type of service the brand offers to prolong the life of the product (repair, resell, rental, redesign, take-back system - list of choices in old schema)			Optional, zero or more	
Product service	name		Text		Optional	
Product service	service_type		MultiSelect	Please contact us for options	Mandatory, defaults to "Other"	
Product service	description	Description of service written by the brand	Text		Optional	
Product	circular_design_strategy	Applied circular design strategy	MultiSelect	Please contact us for options	Optional, zero or more	
Product	strategy_description	Description of the circular design strategy used written by the brand	Text		Optional	
Product Variations						
Variation	name	Variation name of product (e.g. "black")	Text		Mandatory	
Variation	product_description	Consumer-facing description of product as written by the brand	Text		Mandatory	GS1

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Variation	sku	Stock Keeping Unit or Article Number	Text, min length 2		Optional	CPDP
Variation	gtin	Global Trade Item Number is an identifier for trade items	Number int		Optional	GS1, PCDS, CPDP
Variation	purchase_order_number	Purchase Order Number. A PO Number uniquely identifies a purchase order and is generally defined by the buyer.	Text		Optional	
Variation	gender	Target gender	Select	female male unisex gender-neutral genderless	Optional	
Variation	age_group	Target age group	Multi-Select	Adult Teenager Child Toddler Baby Other Unclassified	Optional	
Variation	season_of_sale	The season of original sale in which the product belongs to; spring/summer, autumn/winter.	Text		Optional	CPDP
Variation	year_of_sale	The year in which the product is originally intended to be sold	Number int		Mandatory	CPDP
Variation	product_images	images of the product	Image		Mandatory, one or more	GS1
Variation	net_weight	Weight of the total product (in kg)	Number float		Optional	GS1

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Variation	colourway	Colour of product as named by the brand (e.g. Midnight blue)	Text		Optional	
Variation	assigned_colour_category	Assigned color category the product belongs to	MultiSelect	Please contact us for options	Mandatory	GS1, CPDP
Variation	size	Size of product	Text		Mandatory	GS1, GTS
Variation	price	Price of product	Number float		Optional	
Variation	material_composition	Composition as displayed on care label	Text		Mandatory	GTS
Variation	certifications				zero or more	
Variation certification	certification_standard	Certifications on garment-level (not material level)	Select	Please contact us for options	Optional	GS1
Variation certification	certification_file		File		Optional	
Variation compliance	is_reach_compliant	Does the product comply with REACH? Compliance with chemical regulations or standards can determine recycling cycle	Select	Yes No I don't know	Optional	
Variation compliance	is_afirm_compliant	Does the product comply with AFIRM? Compliance with chemical regulations or standards can determine recycling cycle	Select	Yes No I don't know	Optional	
Variation compliance	is_zdhc_compliant	Does the product comply with ZDHC MRSL? Compliance with chemical regulations or standards can determine recycling cycle	Select	Yes No I don't know	Optional	
Variation	care_guide	Description on how to take care of the product, e.g 'wash carefully in cold water, air to dry etc'	Text		Optional	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Variation	care_images	Image of care icons	Image		Optional, zero or more	
Variation	sustainability_images	Sustainability image by the brand	Image		Optional	
Variation	country_of_origin	Made in...	Select		Mandatory	
Variation	product_steps				zero or more	
Variation product_steps	step_type	The production step type	Select	Please contact us for options		
Variation product_steps	country	Country of each step	Select		Mandatory	PCDS
Variation product_steps	organization_name		Text		Optional	GS1
Variation product_steps	street_address		Text		Optional	GS1
Variation product_steps	postal_code		Text		Optional	GS1
Variation product_steps	city		Text		Optional	PCDS
Variation product_steps	oar	Facility's Open Apparel Registry number	Text		Optional	
Variation product_steps	gln	Facility's Global Location Number	Text		Optional	CPDP
Variation product_steps	dyeing_process	The dyeing process If step_type is dyeing	Select	Undyed Piece Dyed Dip dyed Batik dyed	Optional	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Variation product_steps	dye_stuff	If step_type is dyeing	Select	Please contact us for options	Optional	
Variation product_steps	printing_process	The printing method used for the material. If step_type is printing	Select	Please contact us for options	Optional	
Variation product_steps	print_stuff	The print stuff required for the printing method. If step_type is printing	Text		Optional	
Variation product_steps	product_finishing	If step_type is finishing	Select	Please contact us for options	Optional	
Variation Assembly	assembly				Mandatory, one or more	
Assembly	name		Text		Mandatory	
Assembly	materials				Mandatory, one or more	
Material						
Material	name	Name of material	Text		Mandatory	
Material	article_number	Article number of material	Text		Optional	
Material	description	Description of material by supplier	Text		Optional	
Material	components				Mandatory	
Material components	component_name	we use this when the content is set to "other"	Text		Optional (mandatory when content is "other")	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Material components	content	The name of the fibres used in the material (e.g. Cotton, Silk...)	Select	Please contact us for options	Mandatory	
Material components	percentage	The percentage of each component present in the material.	Number float		Mandatory	
Material components	source_raw_material	The source of the raw material used in the composition of the material (e.g. Eucalyptus (origin) → Tencel (fibre))	Text		Optional	
Material components	part	If the fibre component is specific to a part of the material (e.g. adhesive).	Text		Optional	
Material components	is_recycled	To be selected if the material composition has a certain percentage of recycled input.	Checkbox	pre-consumer post-consumer recycled virgin not defined	Mandatory	
Material components	source_recycled_input	If there is a recycled component, the source of the input needs to be selected (e.g. rPET from Post-Consumer PET).	Text		Optional	
Material components	steps				Optional, zero or more	
Material components steps	step_type	Origin of raw material			Mandatory / auto-filled	
Material components steps	country	country of origin of raw material	Text		Mandatory	PCDS

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Material components steps	organization_name		Text		Optional	GS1
Material components steps	street_address		Text		Optional	GS1
Material components steps	postal_code		Text		Optional	GS1
Material components steps	city		Text		Optional	
Material components steps	oar		Text		Optional	CPDP
Material components steps	gln		Text		Optional	
Material	assigned_colour_category	Assigned color category the material belongs to	MultiSelect	Please contact us for options	Mandatory	
Material	pattern_type	The type of pattern.	Select	Please contact us for options	Optional	
Material	thumbnail	The thumbnail image of the material.	Image		Optional	
Material	material_weight	Weight in g/m² of material. Only if Trim, Fabric or Leather Alternative	Number float		Optional	GS1
Material	material_percentage		Number float		Optional	GS1

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Material	staple_fibre_length	only for fabrics and yarns, can include an average	Number float		Optional	
Material	category	Type of material (fabric, yarn, trim ...)	Select (auto-filled)	trim yarn fabric leather alternative_leather	Mandatory	
Material	material_type	Specific type of a material depending on the chosen category of a material	Select	Please contact us for options	Optional	
Material	grade	Leather grade only available for leather	Select	Bonded Corrected Grain Full Grain Fur/Hair Split-Grain Top Grain	Optional	
Material	species	only available for leather	Select	Bovine Fish Goat Pig Sheep	Optional	
Material	species_other	only available for leather	Text		Optional	
Material	pattern_application	only available for leather	Select	half whole	Optional	
Material	thickness	Thickness in mm. only available for leather alternative	Number float		Optional	
Material	thickness_max	Maximum thickness in mm. only available for leathers	Number float		Optional	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Material	thickness_min	Minimum thickness in mm. only available for leathers	Number float		Optional	
Material	steps				zero or more	
Material steps	step_type	Step type	Select	Production Spinning Tanning Pre-Tanning Dyeing Finishing Printing	Mandatory	
Material steps	country		Select	ISO country list	Mandatory	PCDS
Material steps	organization_name		Text		Optional	GS1
Material steps	street_address		Text		Optional	GS1
Material steps	postal_code		Text		Optional	GS1
Material steps	city		Text		Optional	PCDS
Material steps	oar	Facility's Open Apparel Registry number	Text		Optional	CPDP
Material steps	dye_stuff		Select	Please contact us for options	Optional	
Material steps	printing_process	The printing method used for the material.	Select	Please contact us for options	Optional	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Material steps	print_stuff	The print stuff required for the printing method.	Text		Optional	
Material steps	material_finishing	The finishing type for material.	Select	Please contact us for options	Optional	
Material steps	other_ material_finishing	The finishing type for material if none if the options fit.	Text		Optional	
Material steps	tannage		Select	Chromium Synthetic Vegetable	Optional	
Material steps	pre_tannage		Select	Chromium Synthetic Vegetable	Optional	
Material	water_properties	Different options of water properties for the material.	Select	No Water Properties Waterproof Water Repellent Water Resistant	Optional	
Material	certification				Optional, zero or more	
Material social_environmental_certificatio n	certification_standard		Select	Please contact us for options	Optional	GS1
Material social_environmental_certificatio n	certification_file		File		Optional	
Material	biodegradability_ certification				Optional, zero or more	
Material biodegradability_certification	certification	Biodegradability certificate or standard	Select	Please contact us for options	Optional	

Level	Schema Name/ attribute in database	Data point description	Type	Options	Requirements	Standard Alignment
Material biodegradability_certification	biodegradability_certification_file		File		Optional	
Material chemical_compliance	is_reach_compliant	Does the product comply with REACH? Compliance with chemical regulations or standards can determine recycling cycle	Select	Yes No I don't know	Optional	
Material chemical_compliance	is_afirm_compliant	Does the product comply with AFIRM? Compliance with chemical regulations or standards can determine recycling cycle	Select	Yes No I don't know	Optional	
Material chemical_compliance	is_zdhc_compliant	Does the product comply with ZDHC MRSL? Compliance with chemical regulations or standards can determine recycling cycle	Select	Yes No I don't know	Optional	

Options circular.fashion

Attribute	Type	Options (circular.fashion schema)
Product type	Select	Accessories
		Bags
		Dress
		Hosiery
		Jacket
		Knitwear
		Legging
		Others
		Overall
		Pant
		Shirt
		Shoes
		Shorts
		Skirt
		Socks
		Sweater
		Swimwear
		T-shirt
		Top
		Underwear

Attribute	Type	Options (circular.fashion schema)	
Colours	Multi select	Black-Light	Orange-Dark
		Black	Pink-Light
		Black-Dark	Pink
		Blue-Light	Pink-Dark
		Blue	Purple-Light
		Blue-Dark	Purple
		Brown-Light	Purple-Dark
		Brown	Red-Light
		Brown-Dark	Red
		Gold-Light	Red-Dark
		Gold	Silver-Light
		Gold-Dark	Silver
		Gray-Light	Silver-Dark
		Gray	Tan-Light
		Gray-Dark	Tan
		Green-Light	Tan-Dark
		Green	White-Light
		Green-Dark	White
		Multi-Light	White-Dark
		Multi	Yellow-Light
		Multi-Dark	Yellow
		Orange-Light	Yellow-Dark

Attribute	Type	Options (circular.fashion schema)
Circular design strategy	Multi select	Material Cyclability
		Mono Cycle
		Disassembly
		Longevity
		Physical Durability
		Aesthetic Durability
		Emotional Durability
		Repairability
		Participatory Design
		Modularity
		Transformability
		Adjustable Sizing
		Minimal Waste

Attribute	Type	Options (circular.fashion schema)
Service type	**Select**	Other
		Repair
		Resell
		Rental
		Redesign
		Take back for recycling
		Take back for reuse

Attribute	Type	Options (circular.fashion schema)
Product steps	**Select**	Full Garment Supply
		Cut, Make, Trim
		Embellishing
		Laundry
		Packaging & Shipping
		Dyeing
		Finishing
		Printing

Attribute	Type	Options (circular.fashion schema)
Product finishing	**Select**	Untreated
		Unknown
		Antimicrobial treatment
		Anti-soiling treatment
		Antistatic
		Bio-polishing
		Enzyme Washing
		Embroidery
		Embossing
		Debossing
		Laser cutting and engraving
		Flame retardant treatment
		Garment dyeing
		Napping and Sueding
		Optical Brighteners
		Shrinkage Control
		Stain repellent
		Wax
		Wrinkle-free treatment

Attribute	Type	Options (circular.fashion schema)		
Material type	Select	Abaca	Chiengora	latex
		Acetate	Chlorofibre	Leather fibres
		Acrylic	Coconut	Linen
		Alginate	Copper	llama
		Alpaca	Cork	Lyocell
		Aluminium	Corn	Maguey
		Angelina (US)	Corozo	Manila Hemp
		Angora	Cotton	Merino Wool
		Aramid	Cupro	Metal
		Bamboo	Down	Metallic fibres
		Bamboo Rayon	Econyl®	Modacrylic
		Banana	Ecovero®	Modal
		Bee wax	Elastane	Mohair
		Bio compound	Feather	Mother of Pearl
		Bio-PDO™	Food-crop waste	Natural Latex
		Brass	Genuine Leather	Natural Rubber
		Bronze	Guanaco	Nettle
		Casein	Hemp	Nickel
		Camel	Henequen	Nuts
		Cashgora	Horn	Nylon
		Cashmere	Jute	Orange Fiber
		Cellulose Acetate	Kapok	Organic Cotton

Attribute	Type	Options (circular.fashion schema)		
Material type	**Select**	Organic Hemp	Recycled Cotton (post-consumer)	Viscose
		Organic Linen	Recycled Cotton (pre-consumer)	Water-based Adhesive
		Organic Silk	Recycled Other Synthetics	Water-based Polyurethane
		Organic Wool	Recycled Polyamide	Wax
		Other	Recycled Polyester	Wood
		Paper	Recycled Polyester (Post-Consumer)	Wool
		Peace Silk	Recycled Polyester (Pre-Consumer)	Yak
		Pineapple Fiber	Refibra™	Zinc
		Poly Vinyl Chloride (PVC)	Resin	Zinc Alloy
		Polyacrylate	Silk	
		Polyamide	Sisal	
		Polyester	Solvent-free Adhesive	
		Polyether	Solvent-free Polyurethane	
		Polyethylene Terephtalate (PET)	Soy	
		Polylactic Acid	Stainless Steel	
		Polylactide	Stone Nut	
		Polypropylene (PP)	Tencel®	
		Polystyrol	Titanium	
		Polyurethane	Triacetate	
		Ramie	Vegetable Ivory	
		Rayon	Vintatur	
		Recycled Cotton	Vinylal	

Attribute	Type	Options (circular.fashion schema)		
Certifications	**Select**	Amfori BSCI (amfori Business Social Compliance Initiative)	FSC (Forest Stewardship Council)	OEKO-TEX Standard 100
		BCI (Better Cotton Initiative)	General Corporate Certificate	OEKO-TEX Made in Green
		Blauer Engel	GRS (Global Recycle Standard)	OCS (Organic Content Standard)
		Bluesign	GCS (Good Cashmere Standard)	OCS blended (Organic Content Standard blended)
		bioRe	GOTS (Global Organic Textile Standard)	PETA certified (People for the Ethical Treatment of Animals certified)
		C2C Bronze (Cradle to Cradle)	Grüner Knopf	RCS (Recycled Content Standard)
		C2C Silver (Cradle to Cradle)	ILO (International Labour Organization)	ROC (Regenerative Organic Certification)
		C2C Gold (Cradle to Cradle)	ISO 14001	RAS (Responsible Alpaca Standard)
		C2C Platinum (Cradle to Cradle)	ISO 26001	RDS (Responsible Down Standard)
		C2C MHC Bronze (Cradle to Cradle Material Health Certificate)	IVN (Internationale Verband der Naturtextilwirtschaft)	RWS (Responsible Wool Standard)
		C2C MHC Silver (Cradle to Cradle Material Health Certificate)	IWTO (International Wool Textile Organization)	SA8000
		C2C MHC Gold(Cradle to Cradle Material Health Certificate)	LWG (Leather Working Group)	Toxproof TÜV Rheinland (Toxproof Technischer Überwachungsverein Rheinland
		C2C MHC Platinum (Cradle to Cradle Material Health Certificate)	Made-by	TC (Transaction Certificate)
		EMAS (Eco-Management and Audit Scheme)	Medizinisch getestet u. Schadstoff geprüft	UNGC (United Nations Global Compact)
		ETI (Ethical Trading Initiative)	Naturland (Textil)	WFTO (World Fair Trade Organization)
		EU-Ecolabel	Nativa	WRAP (Worldwide Responsible Accredited Production)
		FWF (Fair Wear Foundation)	Nordic Swan	V-Label (Vegan or Vegetarian Label)
		Fairtrade	Leather Standard by Oeko-Tex	ZQRX Regenerative Wool (ZQ Regenerative Index)
		FLA (Fair Labor Association)	OEKO-TEX STeP	

Attribute	Type	Options (circular.fashion schema)	
Biodegradability Tests & Standards	**Select**	CEC-L-103-12	OECD 301 F
		EN 17033	OECD 302 A
		EN 17427	OECD 302 B
		ISO 846	OECD 303 A
		ISO 7827	OECD 310
		ISO 9408	OECD 311
		ISO 9887	
		ISO 9888	
		ISO 11721-1	
		ISO 11734	
		ISO 13432	
		ISO 14593	
		ISO 14855	
		ISO 20136	
		ISO 11268-1/2	
		OECD 207/222	
		OECD 208	
		OECD 301 A	
		OECD 301 D	
		OECD 301 E	

Options circular.fashion
- **Material types**

Category	Group	Choices
Fabric	Non-Woven	Thermo-bonded
		Stitch-Bonded
		Padding
		Insulation
		Felt

Category	Group	Choices	
Fabric	**Knit**	Bird's Eye	Interloop
		Bourrelet	Jacquard Knit
		Cable	Jacquard Knit - Double Jacquard
		Cardigan Fabric-Half	Jacquard Jersey
		Cardigan Fabric-Full	Jersey
		Crepe Knit Fabric	Jersey - Double Knit
		Crinkle	Jersey - Pointelle
		Double Face	Jersey - Single Jersey
		Double Jersey	Knit-Purl Transfer - Moss Stitch
		Eightlock	Knit-Purl Transfer - Double Seed Stitch
		Embroidery (EMB)	Knit-Purl Transfer - Seed Stitch
		Fleece Knit	Lacoste
		Fleece Knit - Sherpa	Links & Links
		Fleece	Mesh
		French Terry	Mesh - Float Plated Fishnet
		Herringbone - knit	Mesh - Pointelle Rib
		Intarsia	Milanese Knit
		Interlock	Milano Rib
		Interlock - Drop Needle	Milano - Half Milano (Semi Double Knit)
		Interlock - Variegated	Neoprene

Category	Group	Choices	
Fabric	Knit	Pique - Double	Stitch Fabric - Vert
		Pique Single	Stitch Fabric - Waffle
		Plain	Terry - French
		Pointelle	Terry Knit
		Ponte de Roma	Tricot
		Purl Knit	Velour
		Rachel	Waffle Stitch Fabric
		Rib Knit	Other
		Rib Knit 1×1	
		Rib Knit 2×2	
		Rib Knit 3×3	
		Rib Drop Needle	
		Rib - French / Flat Back	
		Rib - Ottoman Rib	
		Rib - Variegated	
		Scuba	
		Single Jersey	
		Sliver Knit	
		Stitch Fabric	

Category	Group	Choices		
Fabric	Woven	Batiste	Drill	Oxford Cloth
		Basket weave	Eyelet	Pinstripe
		Broadcloth	Faille	Pinpoint Oxford
		Brushed Back Satin	Flannel	Pique
		Buckram	Gabardine	Plain weave
		Burnout Velvet	Gauze	Poplin
		Canvas	Georgette	Ripstop
		Cambric	Gingham	Satin
		Chambray	Glen Plaid	Sateen
		Charmeuse	Herringbone - woven	Seersucker
		Chiffon	Interlining	Shirting
		Chintz	Jacquard	Taffeta
		Corduroy	Khadi	Toile
		Crepe	Lace	Tweed
		Crinkle	Mesh - woven	Twill
		Denim	Microfiber	Velour
		Dobby	Moleskin	Velvet
		Double Cloth	Muslin	Voile
		Double Face	Organza	Other
		Duck	Oxford	

Category	Group	Choices
Fabric	Lace	Needle Lace
		Bobbin Lace

Category	Group	Choices
Yarn	**Yarn**	Boucle
		Chenille
		Cord
		Crimped
		Filament
		Fancy
		Melange
		Metallic
		Novelty
		One-ply
		Slub
		Stretch
		S-Twist
		Two-ply
		Textured
		Thread
		Z-Twist

Category	Group	Choices	
Trim	Trim	Beads	Rivets
		Braid	Seam sealing tape
		Buckle	Sequins
		Button	Shoulder pad
		Bra cups	Slider
		Bra wire	String/Draw Cord
		Care label	Swivel hook
		Collar stay	Twill tape
		De/ring	Velcro tape
		Elastic	Wadding
		Eyelet/grommet	Zipper
		Fusing material	
		Hook & Loop	
		Interfacing	
		Lace	
		Label	
		Patch	
		Piping cord	
		Ring	

Category	Group	Choices
Leather alternatives	Leather alternatives	Non-Woven
		Non-Woven Dry Laid
		Non-Woven Wet Laid
		Non-Woven Spunlaid
		Non-Woven Meltblown
		Non-Woven Needle-punched
		Bonded
		Coated
		Naturally occurring
		Lab-grown
		Biotextile

Category	Group	Choices
Pattern type	Select	No Pattern
		Heathered
		Marled Ombre
		Striped
		Abstract
		Checked
		Chevron
		Damask
		Dotted
		Floral
		Gingham
		Geometric
		Herringbone
		Houndstooth
		Melange
		Motifs for children
		Other pattern
		Paisley Stars
		Striped Tartan

Category	Group	Choices
Material properties	**Select**	Antique
		Easy care
		Full Aniline
		Glazed
		Glossy
		Matte
		Metallized
		Nappa
		Natural
		Nobel
		Patent
		Patina
		Pearlized
		Perforated
		Printed
		Pull-up
		Robust
		Round
		Semi Aniline
		Silky
		Soft touch

Category	Group	Choices
dye_stuff	select	No dye stuff
		Acid dye
		Analine dye
		Azo dye
		Basic dye
		Chrome dye
		Direct dye
		Disperse dye
		Mordant dye
		Natural dye
		Pigment (natural)
		Pigment (biosynthetic)
		Pigment (synthetic)
		Reactive dye
		Vat Dye
		Sulfur Dyes
		Others

Category	Group	Choices
printing process	select	No Printing
		Batik printed
		Digital printed
		Hand painted
		Inkjet printed
		Roller printed
		Screen printed
		Transfer printed

Category	Group	Choices		
Material finishing	**Select**	No finishes	Coating (PU)	Prepare for dyeing
		Unknown	Coating (PVC)	Resins
		(Mechanical Finishing)	Coating (Acrylic)	Scratch and Sniff
		Brushing (US)	Crease resistance	Silicones
		Calendering	Enzyme finishing	Singeing
		Embossing	Flame retardancy	Softening agent
		Pre-shrinking	Matting agents	Soil release
		Permanent creasing	Mercerizing	Stain resistance
		Steaming	Milling agents	Wash and Wear
		Shearing	Mill washing	Water and Oil Repellency
		Sueding	Moisture Management	Wrinkle Resistant
		(Chemical Finishing)	Mothproof	Waxing
		Antibacterial finishing	Nano Finishing	Other
		Anti-static finishing	Natural oiling	
		Anti-pilling	Optical brighteners	
		Coating	Permanent press	

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- Currency list

Currency	Alphabetic Code	Currency	Alphabetic Code	Currency	Alphabetic Code
Afghani	AFN	Cabo Verde Escudo	CVE	East Caribbean Dollar	XCD
Algerian Dinar	AFN	Canadian Dollar	CAD	Egyptian Pound	EGP
Argentine Peso	AFN	Cayman Islands Dollar	KYD	El Salvador Colon	SVC
Armenian Dram	AFN	CFA Franc BEAC	XAF	Ethiopian Birr	ETB
Aruban Florin	AFN	CFP Franc	XPF	Euro	EUR
Australian Dollar	AFN	Chilean Peso	CLP	Falkland Islands Pound	FKP
Azerbaijan Manat	AFN	Chinese Yen	JPY	Fiji Dollar	FJD
Bahamian Dollar	BSD	Colombian Peso	COP	Hungarian Forint	HUF
Bahraini Dinar	BHD	Comorian Franc	KMF	Ghana Cedi	GHS
Panama Balboa	PAB	Congolese Franc	CDF	Gibraltar Pound	GIP
Barbados Dollar	BBD	Cordoba Oro	NIO	Haitian Gourde	HTG
Belarusian Ruble	BYN	Costa Rican Colon	CRC	Paraguyan Guarani	PYG
Belize Dollar	BZD	Cuban Peso	CUP	Guinean Franc	GNF
Bermudian Dollar	BMD	Czech Koruna	CZK	Guyana Dollar	GYD
Bolívar Soberano	VES	Gambian Dalasi	GMD	Hong Kong Dollar	HKD
Bolívar Soberano	VED	Danish Krone	DKK	Ukrainian Hryvnia	UAH
Boliviano	BOB	Denar	MKD	Iceland Krona	ISK
Brazilian Real	BRL	Djibouti Franc	DJF	Indian Rupee	INR
Brunei Dollar	BND	Dobra	STN	Iranian Rial	IRR
Bulgarian Lev	BGN	Dominican Peso	DOP	Iraqi Dinar	IQD
Burundi Franc	BIF	Vietnamese Dong	VND	Jamaican Dollar	JMD

Currency	Alphabetic Code	Currency	Alphabetic Code	Currency	Alphabetic Code
Jordanian Dinar	JOD	Mauritius Rupee	MUR	Pakistan Rupee	PKR
Kenyan Shilling	KES	Mexican Peso	MXN	Palladium	XPD
Papa New Guinea Kina	PGK	Moldovan Leu	MDL	Macao Pataca	MOP
Croatian Kuna	HRK	Moroccan Dirham	MAD	Peso Convertible	CUC
Kuwaiti Dinar	KWD	Moroccan Dirham	MAD	Peso Uruguayo	UYU
Angolan Kwanza	AOA	Mozambique Metical	MZN	Philippine Peso	PHP
Myanmar Kyat	MMK	Bolivian Mvdol	BOV	Platinum	XPT
Lao Kip	LAK	Nigerian Naira	NGN	Polish Zloty	PLN
Georgian Lari	GEL	Eritrean Nakfan	ERN	Pound Sterling	GBP
Lebanese Pound	LBP	Namibia Dollar	NAD	Botswana Pula	BWP
Albanian Lek	ALL	Nepalese Rupee	NPR	Qatari Rial	QAR
Honduran Lempira	HNL	Netherlands Antillean Guilder	ANG	Guatemala Quetzal	GTQ
Sierra Leonean Leone	SLL	New Israeli Sheqel	ILS	Namibian Rand	ZAR
Sierra Leonean Leone	SLE	New Taiwan Dollar	TWD	Rial Omani	OMR
Liberian Dollar	LRD	New Zealand Dollar	NZD	Cambodian Riel	KHR
Libyan Dinar	LYD	Bhutan Ngultrum	BTN	Romanian Leu	RON
Swazi Lilangeni	SZL	No universal currency		Maldives Rufiyaa	MVR
Lesotho Loti	LSL	North Korean Won	KPW	Indonesian Rupiah	IDR
Malagasy Ariary	MGA	Norwegian Krone	NOK	Russian Ruble	RUB
Malawi Kwacha	MWK	Mauritanian Ouguiya	MRU	Rwanda Franc	RWF
Malaysian Ringgit	MYR	Tonga Pa'anga	TOP	Saint Helena Pound	SHP

Currency	Alphabetic Code	Currency	Alphabetic Code	Currency	Alphabetic Code
Saudi Riyal	SAR	Samoa Tala	WST	Yemeni Rial	YER
Serbian Dinar	RSD	Tanzanian Shilling	TZS	Yuan Renminbi	CNY
Seychelles Rupee	SCR	Kazakhstan Tenge	KZT	Zambian Kwacha	ZMW
Silver	XAG	Thai Baht	THB	Zimbabwe Dollar	ZWL
Singapore Dollar	SGD	Trinidad and Tobago Dollar	TTD		
Peruvian Sol	PEN	Mongolian Tugrik	MNT		
Solomon Islands Dollar	SBD	Tunisian Dinar	TND		
Kyrgyzstan Som	KGS	Turkish Lira	TRY		
Somali Shilling	SOS	Turkmenistan New Manat	TMT		
Tajikistan Somoni	TJS	UAE Dirham	AED		
South Korean Won	KRW	Uganda Shilling	UGX		
South Sudanese Pound	SSP	Unidad de Fomento	CLF		
Sri Lanka Rupee	LKR	Unidad de Valor Real	COU		
Sucre	XSU	Unidad Previsional	UYW		
Sudanese Pound	SDG	Uruguay Peso en Unidades Indexadas (UI)	UYI		
Surinam Dollar	SRD	US Dollar	USD		
Swedish Krona	SEK	Uzbekistan Sum	UZS		
Swiss Franc	CHF	Vanuatu Vatu	VUV		
Syrian Pound	SYP	WIR Euro	CHE		
Bangladesh Taka	BDT	WIR Franc	CHW		