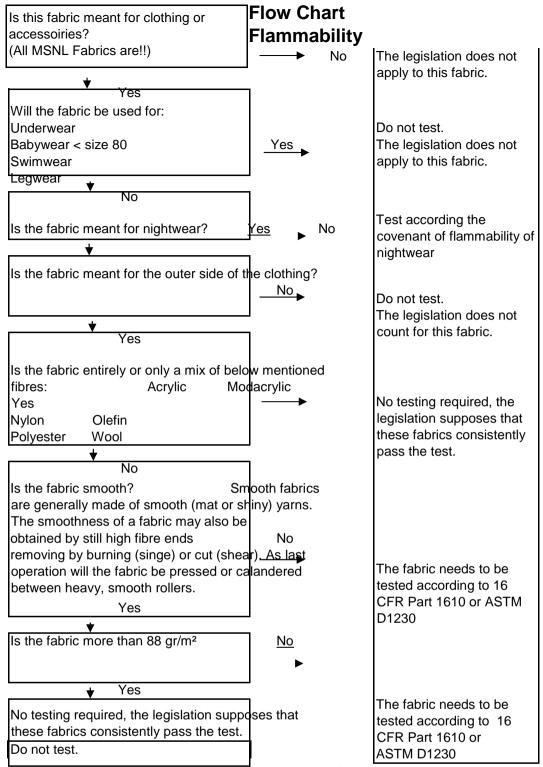
## **Test to perform Fabrics**

					- PO		1				1		
Test	ISO/EN Norm	Blouses/ Dresses	Blouses/ Dresses	Trousers/ Skirts	Trousers/ Skirts	Blazers	Blazers	Coats/ Outdoor Jackets	Coats/ Outdoor Jackets	Fine knitted	Heavy knitted	All leather products	Lining
Test	ISO/EIN INOITTI		NI-1		Mari		NI-1	Jackets					Lining
		Washable	Not washable	Washable	Not washable	Washable	Not washable	Washable	Not Washable	Washable	Washable		
Tensile strength	ISO 13934-1	X	X	X	X	Х	Х	Х	Х				X
· ·				^	^	_ ^		^					^
Bursting strength	ISO 13938-2									Х	Х		When tricot lining X
Tear strength	EN-ISO 13937-1	Х	Х	Х	Х	Х	Х	Х	Х				Х
Tear strength	EN-ISO 3377-2											Х	
Seam Slippage	EN-ISO 13936-1	Х	Х	Х	Х	Х	Х	Х	Х				Х
Pilling	ISO 12945-1 ISO 12945-2	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		
Shrinkage after washing	ISO 6330 ISO 5077 ISO 3759	х		х		Х		х		х	х		Х
Shrinkage after washing and ironing		Х		Х		Х		Х		Х	Х		Х
Shrinkage after dry cleaning	ISO 3175-1		Х		Х		Х		Х				Х
Shrinkage after professional leather cleaning												Х	
Abrasion	EN-ISO 12947-2			Х	Х								
Colourfastness to washing	EN-ISO 105 C06	Х		Х		Х		Х		Х	Х		Х
Colourfastness to dry cleaning	EN-ISO 105 D01		Х		Х		Х		Х				
Colourfastness to rubbing	EN-ISO 105 X12	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х

Colourfastness to light	EN-ISO 105 B02	Χ	Х					Х	Х				
Colourfastness to perspiration	EN-ISO 105 E04	Х	Х							Х	Х		Х
Colourfastness to ironing/pressing/steaming	EN-ISO 105 X11	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х
Colourfastness to water	EN-ISO 105 E01	Х		Х		Х		Х		Х	Х	Х	Х
Waterrepellency	ISO 4920							Х	Х				
Appearance after washing		Х		Х		Х		Х		Х	Х		Х
Spirality	ISO 16322-3			Only tro	users X					Х	Х		
Appearance after dry cleaning			Х		Х		Х		Х				Х
Appearance after professional leather cleaning												Х	
* Square metre weight		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х

<sup>\*</sup> See Flow chart Flammability



		Lingerie				Glove	Glove							
T	100/51111	Underwear	Socks	Pantyhose	Legging	Leather	Fabric	Bags	Belts Fabric	Belts PU	Shawls	Caps/Hats	Footwear	Sunglasses
Test	ISO/EN Norm					Leatner	Fabric						All the	Sunglasses
													tests that	need to comply
Tensile strength	ISO 13934-1					<u> </u>				Х			need to be	with the
-													done on	European
Bursting strength	ISO 13938-2	Х			Х								Footwear are	Directive 89/686/EEC in
													mentioned	accordance with
													in the	
													Minimum	EN-ISO
Tear strength	EN-ISO 13937-1					Х							quality	12311:2013 and
													requirements Footwear.	EN-ISO 12312- 1:2013
Seam Strength		Х						Х						(Sunglass for
														general use)
Pilling	ISO 12945-1			Х	Х		Х				Х	Х		
	ISO 12945-2													
Shrinkage & Fitting	ISO 6330													
	ISO 5077 ISO 3759													1
	150 3759	Х	X	X	X		Х	See fabrio or leather	C		X	Х		
														1
Shrinkage after washing and ironing														1
Shrinkage after dry cleaning	ISO 3175-1													1
Shrinkage after professional leather cleaning						Х								1
Abrasion	EN-ISO 12947-2													
Colourfastness to washing	EN-ISO 105 C06	Х	X	Х	Х		Х	Х			Х	Х		
Colourfastness to dry cleaning	EN-ISO 105 D01													
Colourfastness to rubbing	EN-ISO 105 X12	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х		
Colourfastness to light	EN-ISO 105 B02	Х			Х						X	X		<b> </b>
Colourfastness to perspiration	EN-ISO 105 E04	1												<b> </b>
	EN 100 (25 V::			<del>                                     </del>										
Colourfastness to ironing/pressing/steaming	EN-ISO 105 X11	1												<b> </b>
Colourfootogoodogoodogo	EN 100 405 504	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				<u> </u>								
Colourfastness to water	EN-ISO 105 E01	X		X	Х	X	X	X	X	Х	X	X		<b> </b>
		<u> </u>		1									]	

Waterrepellency	ISO 4920							
Appearance after washing								
Spirality	ISO 16322-3							
Appearance after dry cleaning								
Appearance after professional leather cleaning								
* Square metre weight			Х			Х	X	
* See Flow chart Flammability								



## **Test to perform Accessories**

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MATERIAL CHEMICAL	NATURAL OR REGENERATED FIBERS	SYNTHETIC FIBERS	PLASTICS, RUBBERS	COATINGS, PRINTS	LEATHER	ARTIFICIAL LEATHER	METAL	TEST METHOD	LIMIT
	-								
ALKYLPHENOLS (AP) AND ALKYPHENOL ETHOXYLATES (APEO)	х	х			х	Х		AP: Extraction, GC-MS APEO:Extraction, LC-MS	AP: < 10 mg/kg APEO: < 500 mg/kg
AZO DYES	X	x		x	Х	Х		Textiles: EN 14362-1: 2012 Leather: EN ISO 17234-1: 2010	< 30 mg/kg
BIOCIDES/ DIMETHYLFUMURATE	Х				Х			GC-MS ISO/TS 16186: 2012	< 0.1 mg/kg
CHLOROBENZENES AND CHLOROTOLUENES		Х						DIN 54232: 2010 GC-MS	< 1 mg/kg (total)
CHLORINATED PARAFFINS SCCP'S					Х	Х		EN ISO 18219: 2012 (ISO 18219: 2015 implementation date April 2016)	< 1500 mg/kg
CHLORINATED PHENOLS PCP & TECP	Х				Х			See RSL for detailed description of test method	< 0.5 mg/kg
ALLERGENIC DISPERSE DYES		х						DIN 54231: 2005	< 5 mg/l (= appr. 75 mg/kg)
CARCINOGENIC DYES	х	Х			Х	Х		DIN 54231: 2005	< 5 mg/l (= appr. 75 mg/kg)
FORMALDEHYDE	х	х		х	Х	Х		Textiles: ISO 14184-1: 2011 Leather: ISO 17226-2: 2008	Skin contact: < 75 mg/kg No skin contact: < 300 mg/kg
CHROMIUM VI					Х			ISO 17075: 2008 Aging	< 3 mg/kg

HEAVY METALS TOTAL CONTENT LEAD & CADMIUM		Х	Х		х	х	Cadmium: EN 1122: 2001 and Acid digestion, AAS/ICP analysis Lead: Acid digestion, AAS/ICP analysis	Cadmium: < 100 mg/kg Lead: < 90 mg/kg
NICKEL RELEASE			Test	to per	form Ch	emičals	EN 1811-2011 + A1: 2015 nickel release EN 12472: 2005 + A1: 2009 coated materials	Body piercings ≤ 0.35 μg/cm²/week Consumer goods ≤ 0.88 μg/cm²/week
ORGANOTIN COMPOUNDS		Х	Х		Х		ISO 17353: 2005 followed by GC-MS analysis	< 1000 mg/kg
PERFLUORINATED CHEMICALS PFOS & PFOA	X/padding		X/water repellent				Solvent extraction, LC-MS CEN/TS 15968: 2010	≤ 1µg / m2
PHTHALATES		Х	Х		х		Printed or coated textiles: ISO 14389: 2014 Plastics: EN 14372: 2004	< 1000 mg/kg
POLYCYCLIC AROMATIC HYDROCARBONS (PAH)		Х	Х		х		AfPS GS 2014:01 PAH	< 1 mg/kg
PVC		Х	Х		х		Beilstein test	n.d.
SOLVENTS/ DIMETHYLFORMAMIDE			X/PU coated				Head space GC-MS	< 1000 mg/kg



TEST REPORT REQUIRED

RANDOM TEST

NATURAL FIBERS OR BLENDS WITH NATURAL FIBERS SUCH AS: COTTON, LINEN OR FLAX, WOOL, SILK, HEMP
REGENERATED FIBERS OR BLENDS WITH REGENERATED FIBERS SUCH AS: VISCOSE, LYOCELL, MODAL, CUPRO, ACETATE
SYNTHETIC FIBERS OR BLENDS WITH SYNTHETIC FIBERS SUCH AS: POLYESTER, NYLON, ACRYLIC, ELASTHANE, MODACRYLIC, POLYURETHANE