

Product specific requirements: 002. Ski & Functional Wear

Version: 3.0
Last update: 01.09.2021

Material	Material Art	Products	Age Group	HS Code
textile, plastic, leather	Woven, knitted	Functional wear; Ski wear: jackets, overalls, waistcoats, vest, trousers; Rainwear; Work wear;	women, men kids	6112, 6210, 6211,



No	Parameter	Method	Reference	Age group	Requirement	Materials			
						Plastics - PU, PVC, Rubber, TPU	Textiles Natural	Textiles Synthetic	PU Coating, Printing
General & Construction									
1	Fiber composition	EU (Nr) 1007/2011	Ginetex (CH)	/	Single: No tolerance (SGS) Blends: +/-3% deviation from composition; Max. +/- 2% presence of Extraneous fibers		x	x	
2	Cords and drawstrings on children's clothing	SN EN 14682	SR 817.023.41 (CH)	Till 14 years	Must fulfil requirements	Related to the whole product			
Chemical Parameters									
3	Formaldehyde	Textile: DIN EN ISO 14184-1 Leather: DIN EN ISO 17226-2	EU REACH Annex XVII Entry 72 Oekotex	/	Baby till 3 : n.d. Adults Textile: 75 mg/kg		x	x	x
4	Lead in Surface treatment on textile	Non-leather: EN 16711-1 Leather: ISO 17072-2	SR 817.023.41 SR 814.81 (CH)	/	Paints and varnishes: 100 mg/kg; Surface treatment on Textile: Not detected (5mg/kg)	x			x
5	Cadmium in Textile	EN 16711-1	SR 814.81 (CH)	/	Plastic: 100 mg/kg Surface coating/paint on article: 1000 mg/kg	x			x
6	Azo-Dyes* (Appendix)	Textile: DIN EN 14362-1 Leather: DIN ISO 17234-1 4-aminoazobenzene Textile: DIN EN 14362-3 Leather: DIN ISO 17234-1	SR 817.023.41 (CH)	/	max. 30 mg/kg each		x	x	x
7	Phthalates* (Appendix)	ISO 14389	SR 817.023.41	< 36 months	Baby (<36 months) DEHP / DBP / BBP / DIBP / DIHP / DMEP / DiPP / DnPP / DnHP/ DCHP/ DIOP/ DINP/ DIDP/ DNOP: 1000 mg/kg (Each or Total) Other age range: DEHP / DBP / BBP / DIBP / DIHP / DMEP / DiPP / DnPP / DnHP/ DCHP/ DIOP: 1000 mg/kg (Each or Total)	x			x

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8	PAHs *(Appendix)	AfPS GS 2019:01 PAK	SR 814.81 (CH)	/	EU PAH each < 0,5 mg/kg / Total sum < 10 mg/kg	x			x
9	Chlorinated paraffins C10-13 (SCCP) (only for plastic, coating)	ISO 18219 GC-MS or GC-ECD;	SR 814.81 (CH)	/	SCCPs limit (flame retardant): no use; SCCPs limit (other): < 1000 mg/kg	x			x
10	Organic Tin Compounds (only for plastic, coating)	Textile: ISO 22744-1 Non-textile: CEN ISO/TS 16179	SR 814.81 (CH)	/	Tri-substituted organostannic compounds 1000 mg/kg DBT: 1000 mg/kg DOT: 1000 mg/kg	x			x
11	Dimethylfumarat	ISO/TS 16186	SR 814.81 (CH)	/	0,1mg/kg		x	x	
12	Penta-, Tetra-, Trichlorphenol (PCP / TeCP / TriCP)	Textile / Leather: LFGB § 64 BVL B82.02.8 Leather: ISO 17070; Polyester / polyester-blend / printed fabric: Modified § 64 LFGB BVL B82.02.8 with alkaline digestion	ChemVerbots V Oekotex SR 814.81 (CH) Annex 1.2	/	PCP, TeCP: not merely unavoidable impurities: 5 mg/kg		x		x

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Coating: required if sample declared with Flame Retardants; with stain and water repellent finishing									
14	PFOA, PFOA	ISO 23702-1	SR 814.81 (CH)	/	PFOA and its salts: 0.025 mg/kg (25 ppb) PFOA related substance: 1 mg/kg (1000 ppb) Manor requirement: 1 µg/m2 (adult & baby)				x
Physical Parameter									
14	Weight per m2	Woven: ISO 3801 Knitted: EN 12127	Manor intern	/	+/- 5%				Related to the whole product
15	Tensile strength (for woven)	ISO 13934-2 [N]	Manor intern	/	Rainwear: 300 N Ski & other : 250 N				Related to the whole product
16	Tear strength (for woven)	ISO 13937-1 [N]	Manor intern	/	Rainwear: 20 N Ski & other : 16 N				Related to the whole product
17	Seam Slippage (for woven)	ISO 13936/1/(6mm) [N]	Manor intern	/	118N				Related to the whole product
18	Seam Strength (for woven)	ISO 13935-2 [N]	Manor intern	/	heavy weight > 180 g/m²: 180 N medium weight - 131-180 g/m²: 150 N lining: 120 N				Related to the whole product
19	Color fastness to Laundering (washing) (1 Wash)	ISO 105/C06	Manor intern	/	Grade 3-4 Rainwear- not needed		x	x	
20	Appearance after washing/dry cleaning (1 Wash)	In-house method	Manor intern	/	No loose fibers, degumming, blistering for adhesive position; No damage, detachment, corrosion, deformation, obvious Color change, seam opening after washing.		x	x	
21	Dimensional stability after washing (1 Wash) 1 sample additional!	ISO 6330	Manor intern	/	Knitted items: 5% Woven: 3% Rainwear: 2%		x	x	
22	Color fastness to Dry Cleaning	ISO 105/D01	Manor intern	/	Grade 4		x	x	
23	Dimensional stability after dry cleaning	ISO 6330	Manor intern	/	+/- 2%		x	x	
24	With Lining Color fastness to Perspiration	ISO 105/E04	Manor intern	/	Grade 3-4 (only for lining)		x	x	
25	Color fastness to water	ISO 105-E01	Manor intern	/	Grade 4		x	x	
26	Color fastness to light	ISO 105/B02	Manor intern	/	Adults Grade 4-5		x	x	
27	Color fastness to rubbing, dry	ISO 105/X12	Manor intern	/	Light: Grade 4 Dark: Grade 3-4		x	x	
28	Color fastness to rubbing, wet	ISO 105/X12	Manor intern	/	Light: Grade 3-4 Dark: Grade 2-3		x	x	

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29	Color fastness to saliva	DIN 53160-1	Manor intern	Till 3 years (size 50- 98)	Grade 5		x	x		
30	Martindale Abrasion	ISO 12947-2	Manor intern	/	≥20.000 revs, no damage on fabric face Rainwear- not needed		x	x		
31	Flammability	EN 1103	SR 817.23.41 (CH)	/	no Surface Flash		x	x		
Function Wear Additional Requirements Class II										
32	Bundesmann Test 10 min * if claimed ;for high quality items	EN ISO 29865	Manor intern	/	5/2 ml/ 10 %	Related to the whole product				
33	Spray test* if claimed; for medium quality items	DIN EN 24920	Manor intern	/	Before washing Grade 4	Related to the whole product				
34	Hydrostatic pressure, kPa	DIN EN 20811	Manor intern	/	depends on product: Before washing Shell≥30, Seam≥25 After washing Shell≥20, Seam≥15	Related to the whole product				
35	Thermal resistance	BS 4745	Manor intern	/	As claim	Related to the whole product				
36	Water-vapor transmission Rate, g/(m2•24h)	ASTM E 96	Manor intern	/	≥ 900 g / m2 /24 hr (procedure B) regular fabric ≥ 3600 g / m2 /24 hr (procedure BW) water proof fabric	Related to the whole product				

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Feather & Down Filling									
37	Feather and Down Profaneness	EN 12132-1	Manor intern	/	must fulfil requirements	Related to the whole product			
38	Dimensional Stability to Washing	ISO 5077 ISO 6330	/	/	After 1 wash - no change After 3 wash - +/- 3% (extension or shrinkage)	x		x	
39	Appearance after Laundering		/	/	1. Color change- no significant change 2. seam- no significant change 3. appearance of buttons- no sign. change 4. Feather & down- no visual penetrated 5. Shape- no distortion		x		x
Accessories									
40	Metal Parts with skin contact: Nickel	EN 12472:2020 / EN 1811:2011 + A1:2015	SR 817.023.41 (CH)	/	Nickel: <u>Manor < 0.5 µg/cm²/Week</u>	Related to the whole product			
41	Metal Parts with skin contact: Lead	EN 16711-3	SR 814.81(CH) Directive (EU) 2015/628 valid from 2018 in CH	/	Lead 0.5 µg/cm ² (small metal parts for clothing, valid from 2018 in Switzerland);	Related to the whole product			
42	Plastic Parts with skin contact: Cadmium	Non-leather: EN 16711-1	SR 814.81 (CH)	/	Cadmium 100 mg/kg (Swiss Regulation) Manor: 40 mg/kg (Manor Regulation)	x			x
43	Zipper strength	BS EN 16732	Manor intern	/	Shall comply to test standard requirement Example BS EN 16732 Performance code C -Puller attachment test: 200N -Reciprocating test: 500 minimum cycles without failure -Lateral strength test: 250N - Torque strength min 0.34 Nm Performance code depends on the end use of product	Related to the whole product			

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Attachments' strength									
44	Small parts; sharp point, sharp edge	EN-71-1	Manor intern	Till 14 years	(< 36 months) No small parts; (< 14 years) No sharp point; (< 14 years) No sharp edge.	Related to the whole product			
45	Decoration elements	CEN/TS 17394-2	Manor intern	/	Parts ≥6 mm not > 6mm: CEN/TS 17394-2 Textiles and textile products - Part 2: Safety of children's clothing - Security of attachment of attachment of buttons-test method. CEN/TS 17394-3 Textiles and textile products - Part 3: Safety of children's clothing - Security of attachment of metal mechanically applied press fasteners-test method CEN/TS 17394-4 Textiles and textile products - Part 4: Security of children's clothing- Security of attachment of components except buttons and metal mechanically applied press fasteners-test method	Related to the whole product			
Label									
46	Labeling (with Care Instruction)	EU (Nr) 1007/2011	Ginetex Manor intern	/	Trademark Manufacturer's name (name, address in EU) Made in ... Size (opt. age for children) Care instructions (according to Ginetex) Fiber composition in % (EU 1007/2011) In 1 Swiss official language (DE / IT / FR)	Related to the whole product			
47	Care Instruction	Ginetex	Ginetex Manor intern	/	Mandatory In following order:	Related to the whole product			
48	Marking for fur or leather details/ parts	EU 17211	EU 1007/2011	/	D: "Enthält nichttextile Teile tierischen Ursprungs" F: "Contient des parties non textiles d'origine animale" IT: "Contiene parti non tessili di origine animale" E: "Contains non-textile parts of animal origin"	Related to the whole product			
49	Marking for feather or down filling	EN 12934	EN 12934	/	Mandatory: % composition; Mandatory: Art of down or feather Opt. Made in Opt. Color		x	x	