

Product specific requirements: **053. Textile & Artif. Leather & Combined Shoes**

Version: 3.0  
Last update: 13.04.2022

Material	Products	Age Group	HS Code
textile, <b>artificial leather</b> , with elements of rubber, plastic (PU, PVC), leather, artificial fur	Long boots, laced shoes, open shoes, shoes, sandals, loafer, sneakers and other kinds of children's shoes	women, men kids	6404, 6405



No	Parameter	Method	Reference	Requirement	Materials					
					Plastics: PU,PVC	Natural Textiles	Synthetic Textiles	Rubber	Leather	PU Coating, Printing
<b>General &amp; Construction</b>										
1	Sharp Points/ Sharp Edges	EN 71 Part 1	EN 71 Part 1	No Sharp points or Sharp edges before and after abuse test on the whole shoe (including accessories, heels other parts on the shoe)	related to the whole product					
<b>Chemical Parameter</b> These parameters are mandatory and does not replace our full chemical policy (see Manor QM Part A, Pgf. 3)										
2	pH VALUE (ACIDITY / LCALLINITY)	Textile: ISO 3071	In House	Direct Contact Skin: 4,0 - 7,5;		x	x			
3	CHLORO-ORGANIC CARRIERS COCS (CHLORINATED BENZENES & TOLUENES)	EN 17137	In House/Manor	Oekotex: POLYESTER & MIXTURES 1 ppm (Total)			x			
4	ALERGENIC CLOURANTS	DIN 54231	In House	Synthetic Fibers and Mixtures 50 ppm			x			
5	Alkylphenols & Alkylphenol Ethoxyates (NP, NPEO)	Textile / Leather: EN ISO 21084:2019 APEO Non-leather: ISO 18254-1:2016 with determination of APEO Leather: ISO 18218-1:2015	EU No 1907/2006 Annex XVII (effective date: 3rd February 2021)	NPEO: Textile materials: 100 mg/kg Leather & Polymer materials: 1000mg/kg NP: 1000mg/kg	x	x	x	x	x	x
6	Polycyclic Aromatic Hydrocarbons (PAHs) (except outsole)	AfPS GS 2019:01 PAK	SR 817.023.41 REACH Regulation 1907/2006 Annex XVII	Direct Contact Skin Sum of 18 PAHs: 10 mg/kg EU-PAK each < 1mg/kg	x			x		x
7	Phthalates	ISO 14389	SR 814.81 (CH) EU No 1907/2006	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 (for artificial leather)			x		x
8	Short Chain Chloroparaffins (SCCP) (C10 - C13) (incl. Outsole)	ISO 18219: 2015	SR 814.81 (CH) (EU) 2015/2030 (EU) 519/2012	CH/EU Law:1000 mg/kg Manor (Oekotex): 100 mg/kg	x (for artificial leather)			x	x as fat-liquoring agents	x

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9	Organotin compounds (incl. Outsole)	Textile: ISO 22744-1:2020 Non-textile: CEN ISO/TS 16179: 2012	SR 817.023.41 EU No 276 / 2010 EU REACH 1907/2006 Annex XVII	TBT/TPHT: 0.5 mg/kg (infant); 1 mg/kg (others) DBT/DMT/DOT/DPht/DPT/MBT/MOT/MMT/MPht/TeBT/TeBT/TeET/TCyHT/TMT/TOT/TeOT/TPT: 1 mg/kg (baby); 2 mg/kg (others)	x (for artificial leather)			x		x
10	Lead (Total) (incl. Outsole)	Non-leather: EN 16711-1 Leather: ISO 17072-2	SR 817.023.41 (EDI) EU No 1907/2006	Swiss: 100 mg/kg Manor (Oekotex): 90 mg/kg	x			x		x
11	Cadmium(Total) (incl. Outsole)	EN 1122 Non-Leather: EN 16711-1	SR 817.023.41 (EDI) (EC) No 1907/2006	100 mg/kg	x			x		x
12	Chromium VI (lining and insole only)	ISO 17075-2: 2017 with ageing	SR 814.81 (ChemRRV) Annex 2.16 EU No 1907/2006	< 3 mg/kg					x critical	
13	Formaldehyde	Textile: DIN EN ISO 14184-1 Leather: DIN EN ISO 17226-2	EU REACH Annex XVII Entry 72	Direct skin-contact = 75mg/kg (textile/fur); Direct skin-contact: 150 mg/kg (Leather)	x (for artificial leather)	x	x		x	
14	Azo Dyes	Textile: DIN EN ISO 14362-1:2017/ DIN EN ISO 14362-3: 2017 Leather: ISO 17234-1:2015/ ISO 17234-2:2011	SR 817.023.41(EDI) EU Regulation No 1907/2006	Direct skin-contact: Each 30 mg/kg (incl. fur, artificial fur)	x (for artificial leather)	x	x		x	x
15	p-Aminoazobenzol	Textile: DIN EN ISO 14362-1:2017/ DIN EN ISO 14362-3: 2017 Leather: ISO 17234-1:2015/ ISO 17234-2:2011	EG 1907/2006 Anhang XVII	Each 30 mg/kg	x (for artificial leather)	x	x		x	x
16	Pentachlorophenol (PCP)	BS EN ISO 17070:2015	SR 814.81 (ChemRRV) EU No 1907/2006	CH/ EU Law: PCP, TeCP: not merely unavoidable impurities: 5 mg/kg		x	x		x	x

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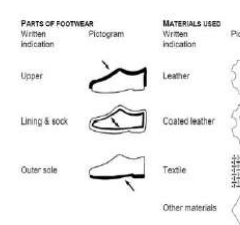
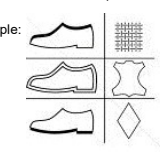
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17	PFOA/ PFOS for water repellent or stain resistant finishes	ISO 23702-1	(EU) No. 757/2010	Per EU POPs, follow legal requirement for PFOA and PFOA related substances: PFOA and its salts: 0.025 mg/kg (25 ppb) PFOA related substance: 1 mg/kg (1000 ppb)	x	x	x		x	
<b>Physical Parameter for shoes</b>										
<b>Upper Material</b>										
18	Resistance to Rubbing (upper only)	ISO 105 X12 (Textile)	Manor Intern	Textile: Grade 4 (dry); Grade 3-4 (wet)		x	x		x	
19	Light fastness (textile upper only)	ISO 105 B02	Manor Intern	Grade 4 (dark) Grade 3 (light tones)		x	x			
20	Water fastness (upper, lining and insole only)	ISO 105 E01	Manor Intern	Textile: Grade 4 Leather: Grade 3		x	x		x	
21	Seam strength of uppers, lining or in socks	EN 13572 (Method B)	Recommendation: ISO/TR 20879:2007	Min 10N/mm Min 6N/mm Slippers		x	x		x	
22	Wash ability (if labelled washable)	TM 158:1992	In House	Max ±3% No loss of adhesion No significant loss of colour or staining No other damage		x	x			
<b>Lining &amp; Insole</b>										
23	Resistance to Rubbing (for lining and insole only)	ISO 105-X12 (Textile) ISO 11640 (Leather)	Manor Intern	Textile: dry: Grade 4 / wet Grade 3-4 Leather: dry: Grade 3 / wet: Grade 3		x	x		x	
24	Perspiration fastness (for lining and insole only)	ISO 105 E04 ISO 11641 (leather)	Manor Intern	Textile: Grade 4 Leather: Grade 3		x	x		x	
<b>Heel</b>										
25	Slip resistance clay tile (heel & forepart)	TM 144	In House	Dry: 0.3 Wet: 0.3	x					
26	Heel Fatigue	BS EN ISO 19956: 2004	In House	For women only: 14,000 blows without damage	x					
27	Heel Attachment	BS EN 12785: 2000	In House	500N	x					
<b>Outsole</b>										
28	Sole Bond Peel Strength	EN ISO 17708: 2003	In House	Standard sole: 3 N/mm (men); 2.5 N/mm (women & Kids) EVA or foaming: 2.5 N/mm Indoor/ slippers/ Injected/ vulcanised/: 2N/mm	x				x	
29	Whole top line strength (unlined shoes only)	TM 143	In House	400 N	x				x	
30	Whole shoe flexing (flexible shoes only)	ISO/TR 20879:2007 ISO17694	Recommendation: ISO/TR 20879:2007	Dry: 100.000 flexes Wet & By Temperature -5°C: 20.000 flexes Indoor (home) shoes: 15.000 flexes No material cracking or bonding failure	x				x	
31	Sole abrasion resistance	ISO 20871 TM84 (Leather) UNE-EN 12770:2000	Recommendation: ISO/TR 20879:2007	Density ≥ 0.9: max. 400 mm³ loss Density ≤0.9: max. 250 loss in mg Leather: With a max loss of 25 mm per 100 revs	x				x	
<b>Attachments</b>										
32	Strength of straps, buckles and related attachments	BS 5131-5.11	Recommendation: ISO/TR 20879:2007	200 N; Min 150N Elasticised		x	x		x	

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33	Strap to sole strength for <25 mm strap width	TM 120	Recommendation: ISO/TR 20879:2007	200 N Min 150N Elasticised		x	x		x	
34	Toe post strength	TM 118	Recommendation: ISO/TR 20879:2007	200N		x	x		x	
35	Toe load	BS 5131-5.1	In House	women& kids: 50 N men: 200 N		x	x		x	
36	Trim attachment strength	TM 117	In House	Flexible trims: Min 50 N Rigid trims: Min 120 N		x	x		x	
37	Tab strength	TM 165	In House	250 N		x	x		x	
38	Lace hole or eyelet strength	TM 149	In House	kids & women: 200N men: 250 N		x	x		x	
39	Eyelet attachment	TM 150	In House	120N		x	x		x	
<b>Accessories</b>										
40	Metal Parts with skin contact: Nickel	EN 12472:2020 / EN 1811:2011 + A1:2015	SR 817.023.41/ EU 2004/96	Nickel: Manor < 0.5 µg/cm <sup>2</sup> /Week; CH/ EU Law: < 0,88 mg/cm <sup>2</sup> (prolonged and direct contact with the skin)	Related to the whole product					
41	Metal Parts with skin contact: Lead	Non-leather: EN 16711-1 Leather: ISO 17072-2	SR 814.81(CH) Directive (EU) 2015/628	Lead: 500 mg/kg	all accessible parts smaller than 5cm (total L, B, W) which can be put into the mouth by small kids till 36 month.					
<b>Label</b>										
42	Labeling	Directive 94/11/EG BS2780:1983	Directive 94/11/EG	Trademark Importer's name (name, address in EU or CH) Size (opt. age for children) Material according to 94/11/EG In 1 Swiss official language (DE / IT / FR) Care instructions (if applicable)	Related to the whole product					
43	Material Labeling	Directive 94/11/EG	Directive 94/11/EG	Label on the shoe in words or pictograms (as listed above). If words- In 1 Swiss official language (DE / IT / FR)  	<p>a) Only materials covering &gt; 80% of the surface area (outer sole must be labelled. If material &lt; 80%, information on the two main materials.</p> <p>b) Labels - visible, securely attached, accessible. On both shoes of the pair through stitching, printing, embossing or sticking.</p> <p>c) The manufacturer is responsible for the accuracy and compliance of the label.</p> <p>d) Example:</p> 					
<b>Packaging</b>										
44	Metal	In-House Method	SR 814.81 (ChemRRV)	Sum of Lead, Cadmium, Mercury and Chrome VI = 100 mg/kg total	Related to the packaging material					