

Product specific requirements: **051. Plastic Shoes**



Version: 3.0
Last update: 14.04.2022

Material	Products	Age Group	HS Code
PVC, PU with components of textile, fur, artificial fur	Long boots, laced shoes, open shoes, shoes, sandals, loafer, sneakers and other kinds of children's shoes	women, men kids	6402

No	Parameter	Method	Reference	Age group	Requirement	Materials				
						Plastics: PU, PVC	Natural Textiles	Synthetic Textiles	Rubber	PU Coating, Printing
General & Construction										
1	Sharp Points/ Sharp Edges	visually	EN 71 Part 1	Till 14 Y	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				
Chemical Parameter <small>These parameters are mandatory and does not replace our full chemical policy (see Manor QM Part A, Pgf. 3)</small>										
2	Alkylphenols & Alkylphenol Ethoxylates (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
3	Polycyclic Aromatic Hydrocarbons (PAHs) <small>(except outsole)</small>	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
4	Phthalates	ISO 14389	SR 814.81 (CH) EU No 1907/2006	all	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 very critical			x	x
5	Short Chain Chloroparaffins (SCCP) (C10 - C13) <small>(include. Outsole)</small>	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 very critical			x	x
6	Organotin compounds	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/DPhu/DPT/MBT/MOT/MMT/MPhT/ TeBT/TeBT/TeET/TCyHT/TMT/TOT/TeOT/TPT: 1 mg/kg (baby); 2 mg/kg (others)	x	x (antibacterial finishes)	x (antibacterial finishes)	x	x

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7	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
8	Cadmium(Total) (incl. Outsole)	Non-leather: EN 16711-1	SR 817.023.41 (EDI) (EC) No 1907/2006	/	100 mg/kg	x			x	x
9	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		
10	Formaldehyde	Textile: LFGB § 64 BVL B82.02.8 Polyester / polyester-blend / printed fabric: Modified § 64 LFGB BVL B82.02.8 with alkaline digestion	EU REACH Annex XVII Entry 72	/	Direct skin-contact = 75mg/kg (textile);		x	x		
11	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	x		x
12	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	x		x
Physical Parameter for shoes (general)										
13	Whole shoe flexing (flexible shoes only)	ISO17694 / TM 92 (SGS)	Recommendation: ISO/TR 20879:2007	/	Dry: 100.000 cycles By Temperature -5°C: 20.000 cycles No material cracking or bonding failure	x				
14	Sole Bond Peel Strength	EN ISO 17708: 2003	In House	/	Women: Min 3N/mm; slippers 2N/mm Men: Min 4N/mm; slippers 2N/mm	x				
15	Slip Resistance	TM 144	Recommendation: ISO/TR 20879:2007	/	Min 0.30 - Max 1.25	x				
16	Seam strength of uppers, lining or in socks	ISO 17697:2003 EN 13572 (Method B)	Recommendation: ISO/TR 20879:2007	/	> 10 N/mm; Min 6N/mm Slippers;	x				
17	Whole top line strength (unlined shoes only)	TM 143	In House	/	400 N	x				
18	Trim attachment strength	TM 117	In House	/	Flexible trims: Min 50 N Rigid trims: Min 120 N	x				

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Physical Parameter for waterproof / sport/ functional shoes (additional)										
19	Dynamic water Resistance (if water resistant)	TM230:2014	Recommendation: ISO/TR 20879:2007	/	Water resistant: 6000 flexes with no penetration Highly water resistant: 15000 flexes with no penetration	x				
20	Waterproofness	ISO/TR 20879:2007	Recommendation: ISO/TR 20879:2007	/	The boots are immersed in water for 16 hours so that the distance between the water surface and the upper edge of the shoes is 75 mm: boot shall stay dry inside	x				
21	Water vapour permeability (WVP) & water vapour absorption (WVA)	ISO 17699	Recommendation: ISO/TR 20879:2007	/	WVP: >0.8 mg/cm2/h If WVP: < 2.0 mg/cm2/h, WVA >8.0 mg/cm2/h	x				
22	Strength of straps, buckles and related attachments	BS 5131-5.11	Recommendation: ISO/TR 20879:2007	/	200 N	x	x	x		
23	Seam strength of uppers, lining or in socks	ISO 17697:2003	Recommendation: ISO/TR 20879:2007	/	> 40 N/mm	x	x	x		
24	Resistance to Rubbing (for lining and insole only)	ISO 105-X12 (Textile)	In House	/	Textile: dry: Grade 4 wet Grade 3-4		x	x		
25	Colour Fastness to Perspiration (for lining and insole only)	ISO 105-E04: 2013 (Textile)	In House	/	Textile: Grade 4		x	x		
Accessories										
26	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/cm²/Week; CH/ EU Law: < 0.88 mg/cm2 (prolonged and direct contact with the skin)	Related to the whole product				
27	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.				
Label										
28	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				
29	Material Labeling	Directive 94/11/EG / SR 930.11 (PrSG) & Ginetex Switzerland	Directive 94/11/EG	/		<p>a) Label on the shoe in words or pictograms (as listed above). If words- In 1 Swiss official language (DE / IT / FR)?</p> <p>b) Only materials covering > 80% of the surface area /outer sole must be labelled. If material < 80%, information on the two main materials.</p> <p>c) Labels - visible, securely attached, accessible. Direct on the shoe, at least at one of the pair through stitching, printing, embossing or sticking.</p> <p>d) The manufacturer is responsible for the accuracy and compliance of the label.</p> <p>e) Example: </p>				
Packaging										
30	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				