



EN ISO 20345:2022

Class: S1 PS FO SR
ESD
Sizes: 34-48
Available in stock only sizes
35-48
Instep: 12
Weight (±10%): **520 gr.** (*)

TECHNICAL SHEET ART. SURF

Description: sandal in black MESH with padded storm-cuff, 100% polyester lining, non-metallic HRP Insole, SPORT-LITE Insole anatomic antistatic and antibacterial, monodensity polyurethane sole, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD
Suggested sectors of usage: Servicing, Mechanical Industry, Professional / Craftsman, Electronic & Electrotechnics, Logistic / Packaging
Care and Maintenance: clean periodically the outsole and the upper with non-aggressive substances which could compromise quality, safety and durability of the shoe, do not dry close to direct heat source



Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirements
Toe Cap: non-metallic THIN CAP toe cap, impact resistant 200 J	5.3.2.6	Impact resistance	mm	15,0	≥ 14
	5.3.2.7	Compression resistance	mm	15,0	≥ 14
Midsole: non-metallic HRP Insole with high tenacity fibres layers, ceramized and treated with plasma	6.2.1.1	Perforation resistance	N	1320	≥ 950
				1342	≥ 1.100
ESD footwear: dissipation capacity of the electrostatic charge	EN ISO 61340 5-1	Resistance to floor	Mohm	91	≤ 100
		Transverse resistance of the sole	Mohm	79	< 1000
		Chargeability	V	7,10	< 100 V
Capacity of Energy Absorption in the heel area	6.2.4	Energy absorption in the heel area	J	31,0	≥ 20
Upper: black MESH	5.4.6	Water vapour permeability	mg/cm ² · h	20,0	≥ 0,8
	5.4.3	Coefficient of permeability	mg/cm ²	160	≥ 15
		Tearing Strength	N	183	≥ 60
Vamp and Quarter Lining: honeycomb finished polyester, breathable, abrasion resistant, black + green color	5.5.4	Water vapour permeability	mg/cm ² · h	27,9	≥ 2
	5.5.2	Coefficient of permeability	mg/cm ²	223,6	≥ 20
		Tearing Strength	N	39	≥ 15
	5.5.3	Abrasion resistance (dry)	cycles	no rupture	25.600
		Abrasion resistance (wet)	cycles	no rupture	12.800
Insole lining: textile anti perforation midsole HRP insole	5.7.3	Water Absorption	mg/cm ²	> 70	≥ 70
		Ability to release water		> 80%	≥ 80%
Sole: monodensity polyurethane, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD	5.8.3	Tearing Strength	kN/m	10,7	≥ 5
	5.8.4	Abrasion resistance	mm ³	132	≤ 250
	5.8.5	Bending resistance	mm	1	≤ 4
	5.8.6	Hydrolysis	mm	2	≤ 6
	6.4.2	Hydrocarbons resistance (volume increase)	%	6,4 %	≤ 12%
	6.2.10	Slip resistance on ceramic floor with water	heel forward 7°	0,45	≥ 0,31
	5.3.5.2	and detergent	tip back 7°	0,46	≥ 0,36
		Slip resistance on ceramic floor with	heel forward 7°	0,28	≥ 0,19
		glycerine	tip back 7°	0,30	≥ 0,22

In model SURF and its components there is no presence of dangerous substances by Annex XVII to regulation no. 1907/2006/CE and subsequent amendments and additions

(*) = Indicative weight that refers to ½ pair in size 42