EN ISO 20345:2022

Class: S3S FO SC SR
ESD
Sizes: 34-48
Available in stock only sizes 36-48
Instep: 12
Weight (±10%): **585 gr**. (*)

TECHNICAL SHEET ART. DOUGLAS

Description: low shoe in black nubuck leather, water-repellent with padded storm-cuff; HIGH-TEX inserts, 100% polyester lining, non-metallic HRP Insole, ATOMIC insole, anatomic, antistatic, breathable and ESD, double density polyurethane sole, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD
Plus: midsole compound particularly studied to get a soft PU density for a higher comfort
Suggested sectors of usage: Farming / Zootechnics, Cooperative Society, Building / Construction, Mineral Industry, Naval Industry, Servicing, Logistic / Packaging, Professional / Craftsman
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	Results	EN ISO 20345 requirements
Toe Cap: non-metallic toe cap TOP COMPOSITE, impact resistant 200 J	5.3.2.6	Impact resistance	mm	15	≥ 14
	5.3.2.7	Compression resistance	mm	15,5	≥ 14
Midsole: non-metallic HRP Insole with high tenacity fibres multi layers, polyester composition, perforation resistant	6.2.1	Perforation resistance (single value)	N	1518	≥ 950
		Average value		1460	≥ 1.100
ESD footwear: dissipation capacity of the electrostatic charge	EN ISO 61340-5-1	Electrical resistance for ESD footwear	Mohm	2,54	< 100
Capacity of Energy Absorption in the heel area	6.2.4	Energy absorption in the heel area	J	29	≥ 20
Upper: black nubuck leather, water-repellent with padded storm-cuff. HIGH-TEX inserts	5.4.3	Tear strength	N	229	≥ 120
	5.4.6	Water vapour permeability	$mg/cm^2 \cdot h$	5,3	≥ 0,8
		Water vapour coefficient	mg/cm^2	46,5	≥ 15
Vamp/Quarter Lining: honeycomb 100% finished polyester, breathable, abrasion resistant, red colour	5.5.4	Water vapour permeability	$mg/cm^2 \cdot h$	27,9	≥ 2
		Water vapour coefficient	mg/cm^2	223,6	≥ 20
	5.5.2	Tear strength	N	39	≥ 15
	5.5.3	Abrasion resistance (dry)	cycles	no holes	25.600
		Abrasion resistance (wet)	cycles	no holes	12.800
Sole: double density polyurethane, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD	5.8.3	Tear strength	kN/m	15	≥ 8
	5.8.4	Abrasion resistance (black)	mm^3	67	≤ 150
	5.8.5	Bending resistance	mm	0,5	≤ 4
	5.8.6	Hydrolysis	mm	0,7	≤ 6
	6.4.2	Hydrocarbons resistance (volume increase)	%	6,8	≤ 12%
	6.2.10	Slip resistance on ceramic floor with water and detergent	heel forward (7°)	0,47	≥ 0,31
			tip back (7°)	0,48	≥ 0,36
			heel forward (7°)	0,26	≥ 0,19
		Slip resistance on ceramic glycerine (SR)	tip back (7°)	0,28	≥ 0,22

In model DOUGLAS 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