TECHNICAL SHEET ART. ARROW

Description High shoe in black smooth grain leather with padded storm-cuff, 100% polyester lining, Non-Metallic HRP Insole , LIGHT & SOFT Insole antistatic and breathable, traslucid double density polyurethane sole with overcap, bending resistant , abrasion resistant , oil resistant , slip resistant.
Plus Midsole compound particularly studied to get a soft PU density for a higher comfort
Suggested sectors of usage Building/Construction, Utilities, Mechanical Industry, Farming/Zootechnics , Naval Industry, 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.

Class:
EN ISO 20345:2011
S3 SRC
Sizes: 38-48
Instep: 12
Weight(±10%): 625 gr. (*)

Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirements
Toe Cap: Non-Metallic TOP COMPOSITE toe cap, impact resistant 200 J	5.3.2.3	Impact resistance	mm	14,5	≥ 14
	5.3.2.4	Compression resistance	mm	14,5	≥ 14
Midsole: non metallic HRP Insole with high tenacity fibres layers, ceramized and treated with plasma	6.2.1.1	Perforation resistance	N	1.100 without holes	≥ 1.100
Antistatic footwear: dissipation capacity of the electrostatic charge	6.2.2.2	Electric resistance			
		- Wet	Ω	2,30 x 10^7	≥ 1,00 x 10^5 Ω and ≤ 1,00 x 10^8 Ω
		- Dry	Ω	3,80 x 10^7	
Capacity of Energy Absorption in the heel area	6.2.4	Energy absorption in the heel area	J	24,0	≥ 20
Upper: Black smooth grain leather	5.4.6	Water vapour permeability	mg/cm² h	1,2	≥ 0,8
		Coefficient of permeability	mg/cm²	17,6	≥ 15
	5.4.3	Tearing Strength	N	195	≥ 120
		Water absorption	%	19	≤ 30
		Water penetration	g	0	≤ 0,2
Vamp Lining: honeycomb finished polyester, breathable, abrasion resistant, turquoise colour	5.5.3	Water vapour permeability	mg/cm² h	6,5	≥ 2
		Coefficient of permeability	mg/cm²	54,3	≥ 20
	5.5.1	Tearing Strength	N	27	≥ 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	25.600
		Abrasion resistance (wet)	cycles	no rupture	12.800
Quarter Lining: honeycomb finished polyester, breathable, abrasion resistant, turquoise colour	5.5.3	Water vapour permeability	mg/cm² h	6,5	≥ 2
		Coefficient of permeability	mg/cm²	54,3	≥ 20
	5.5.1	Tearing Strength	N	27	≥ 15
	5.5.2	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/cm²	76	≥ 70
		Ability to release water		99%	≥ 80%
Sole: traslucid double density polyurethane with overcap, bending resistant, abrasion resistant, oil resistant, slip resistant	5.8.2	Tearing Strength	kN/m	8,3	≥ 8
	5.8.3	Abrasion resistance	mm³	140	≤ 150
	5.8.4	Bending resistance	mm	1,5	≤ 4
	5.8.5	Hydrolysis	mm	2,0	≤ 6
	6.4.2	Hydrocarbons resistance (volume increase)	%	1,0%	≤ 12%
	5.11	Slip resistance on ceramic floor with water and detergent	flat	0,45	≥ 0,32
		Slip resistance on steel floor with glycerine	inclined	0,30	≥ 0,28
			flat	0,25	≥ 0,18
			inclined	0,21	≥ 0,13

Azocolourants free : no presence of dangerous substances by Annex VII to regulation no. 1907/2006/CE and subsequent amendments and additions

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