TECHNICAL DATA SHEET ART. MARTIAL

Description Low show in smooth grain leather, with quick release, 100% polyester lining, non-metallic insole lining HRP INSOLE, Light & Soft insole, antistatic and breathable, polyurethane outsole BRAKING SYSTEM, bending resistant, abrasion resistant, oil resistant, slip resistant SRC, antistatic
Suggested sectors of usage Servicing, utilities, logistics/packaging, professional/craftsman, cooperative society
Care and Mintenance 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: S3 SRC
Sizes: 34-48
Instep: 12
Weight(±10%):608 gr. (*)

Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirement
Toe cap: Top Composite toe cap, impact resistant 200 J	5.3.2.3	Impact resistance	mm	17,0	>= 14
	5.3.2.4	Compression resistance	mm	18,5	>= 14
Anti perforation midsole HRP: non metallic midsole with high tenacity fibers layers, ceramized and treated with plasma	6.2.1.1	Perforation resistance	N	1.100	>= 1.100
Antistatic footwear: dissipation capacity of the electrostatic charge	6.2.2.2	Electric resistance			
		- Wet (humidity)	Mohm	412	>= 0,1
		- Dry	Mohm	718	<= 1000
Capacity of Energy Absorption in the heel area	6.2.4	Energy absorption in the heel area	J	36,0	>= 20
Upper: Smooth grain leather, black colour, thickness 2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	1,0	>= 0,8
		Coefficient of permeability	mg/cmq	16,8	>= 15
	5.4.3	Tearing Strength	N	199	>= 120
Vamp lining : Non woven textile for toe cap, grey color	5.5.3	Water vapour permeability	mg/cmq h	3,4	>= 2
		Coefficient of permeabiliy	mg/cmq	30,2	>= 20
	5.5.1	Tearing Strength	N	30	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	25.600
		Abrasion resistance (humidity)	cycles	no rupture	12.800
Quarter lining: 100% honeycomb finished polyester, breathable, abrasion resistant, grey color	5.5.3	Water vapour permeability	mg/cmq h	6,2	>= 2
		Coefficient of permeabiliy	mg/cmq	50,1	>= 20
	5.5.1	Tearing Strength	N	15	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200
		Abrasion resistance (humidity)	cycles	no rupture	25.600
Insole lining: textile anti perforation midsole HRP	5.7.3	Water Absorption	Mg/cm^2	71	>= 70
		Ability to release water		98%	>= 80%
Outsole: Polyurethane BRAKING SYSTEM, bending resistant, abrasion resistant, oil resistant, slip resistant SRC, antistatic	5.8.2	Tearing Strength	kN/m	5,6	>= 5
	5.8.3	Abrasion resistance	mm^3	85	<= 250
	5.8.4	Bendings resistance	mm	3,0	<= 4
	5.8.5	Hydrolysis	mm	2,5	<= 6
	6.4.2	Hydrocarbons resistance (volume increase)	%	0,1%	<= 12%
	5.11	Slip resistance on ceramic floor with water and detergent	flat	0,36	>= 0,32
			inclined	0,40	>= 0,28
		Slip resistance on steel floor with glycerine	flat	0,18	>= 0,18
			inclined	0,15	>= 0,13

Azo dye free: no presence of azo dye forbidden by normative 1907/2006/CE Attachment XVII (method UNI EN 14362-1:2004 – Textile)
(*) = Indicative weight that refers to ½ pair in size 42