FTG
safety shoes

TECHNICAL SHEET ART. APOLLO

Description High shoe in smooth grain leather water-repellent, black color, with quick release and metatarsal protection, black colour, 100% polyester lining, non-metallic insole lining HRP INSOLE, Light & Soft insole, antistatic and breathable, bi-component sole (rubber-polyurethane) abrasion resistant, oil resistant, antistatic and heat resistant
Suggested sectors of usage Steel industries/Foundries, mechanical industry, naval industry, mineral industry
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: S3 M HRO SRC
Sizes: 38-48
Instep: 12
Weight(±10%):700 gr. (*)

Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirements
Toe cap: Top Composite toe cap, impact resistant 200 J	5.3.2.3	Impact resistance	mm	15,0	>= 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	>= 1.100
Antistatic footwear: dissipation capacity of the electrostatic charge	6.2.2.2	Electric resistance			
		- Wet	Mohm	75,6	>= 0,1
		- Dry	Mohm	233	<= 1000
Capacity of energy absorption in the heel area	6.2.4	Energy absorption in the heel area	J	35,0	>= 20
Upper: smooth grain leather water-repellent, black color, 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 permeability	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 (wet)	cycles	no rupture	12.800
Quarter lining: 100% honeycomb finished polyester, breathable, abrasion resistant, red colour	5.5.3	Water vapour permeability	mg/cmq h	6,8	>= 2
		Coefficient of permeability	mg/cmq	54,4	>= 20
	5.5.1	Tearing Strength	N	25	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200
		Abrasion resistance (wet)	cycles	no rupture	25.600
Insole lining: textile anti perforation midsole HRP Insole	5.7.3	Water Absorption	Mg/cm^2	78	>= 70
		Ability to release water		99%	>= 80%
Sole: nitril rubber outsole applied to a polyurethane midsole with low density and completely injected; abrasion resistant, oil resistant, antistatic and heat resistant	5.8.2	Tearing Strength	kN/m	8,4	>= 8
	5.8.3	Abrasion resistance	mm^3	137	<= 150
	5.8.4	Bending resistance	mm	2,0	<= 4
	6.4.2	Hydrolysis	%	5%	<= 12%
	5.11	Hydrocarbons resistance (volume increase)	flat	0,45	>= 0,32
		Slip resistance on ceramic floor with water and detergent	inclined	0,32	>= 0,28
			flat	0,22	>= 0,18
		Slip resistance on steel floor with glycerine	inclined	0,13	>= 0,13

Azo dye free: no presence of azo dye forbidden by normative 1907/2006/CE Attachment XVII (method UNI EN 14362-1:2012 + 14362-3:2012 – Textile)
(*) = Indicative weight that refers to ½ pair in size 42