



TECHNICAL SHEET ART. ARES

Description High shoe in dollar grain leather water-repellent, 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, 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 without perforation	≥ 1.100
	6.2.2.2	Electric resistance	Ohm	7,68 x 10 ⁷	≥ 1,00 x 10 ⁵ Ω
Antistatic footwear: dissipation capacity of the electrostatic charge		- Wet	Ohm	2,43 x 10 ⁷	e
		- Dry	Ohm		≤ 1,00 x 10 ⁸ Ω
Capacity of energy absorption in the heel area	6.2.4	Energy absorption in the heel area	J	34,0	≥ 20
Upper: dollar grain leather water-repellent, black color, thickness 2,0 mm	5.4.6	Water vapour permeability	mg/cm ² h	1,3	≥ 0,8
		Coefficient of permeability	mg/cm ²	18,4	≥ 15
	5.4.3	Tearing Strength	N	128	≥ 120
Vamp & Quarter lining: 100% honeycomb finished polyester, breathable, abrasion resistant, red colour	5.5.3	Water vapour permeability	mg/cm ² h	3,4	≥ 2
		Coefficient of permeability	mg/cm ²	30,2	≥ 20
	5.5.1	Tearing Strength	N	30	≥ 15
	5.5.2	Abrasion resistance (dry)	cycles	no fori	51.200
		Abrasion resistance (wet)	cycles	no fori	25.600
Insole lining: textile anti perforation midsole HRP Insole	5.7.3	Water Absorption	mg/cm ²	77	≥ 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	mm	1,0	≤ 6
	5.11	Hydrocarbons resistance (volume increase)	%	5%	≤ 12%
		Slip resistance on ceramic floor with water and detergent	flat	0,45	≥ 0,32
			inclined	0,32	≥ 0,28
		Slip resistance on steel floor with glycerine	flat	0,22	≥ 0,18
		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