



TECHNICAL SHEET ART. LAMBDA

Description High shoe, upper made by "Safety-Leather" synthetic material, 100% polyester lining, FTG Comfort insole, extractable and washable. Polyurethane sole, bending resistant, abrasion resistant, oil resistant, slip resistant, antistatic. Metal penetration resistant insert.

Suggested sectors of usage Building/construction, utilities, naval industry, mineral industry, cooperative society.

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 SRC
Sizes: 35-48
Instep: 11
Weight(±10%): 510 gr. (*)

Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirement
Toe cap: steel toe cap, impact resistant 200 J, compression resistant 15 kN	5.3.2.3	Impact resistance	mm	14,5	≥ 14
	5.3.2.4	Compression resistance	mm	17,5	≥ 14
Metal penetration resistant insert	6.2.1.1	Perforation resistance	N	1.240	≥ 1.100
Antistatic footwear: dissipation capacity of the electrostatic charge	6.2.2.2	Electric resistance			
		- Wet	Mohm	422	≥ 0,1 - ≤ 1000
		- Dry	Mohm	651	
Capacity of energy absorption in the heel area	6.2.4	Energy absorption in the heel area	J	31,0	≥ 20
Upper: Synthetic material "Safety-Leather", black color, thickness 2.0 mm	5.4.6	Water vapour permeability	mg/cmq h	2	≥ 0,8
		Coefficient of permeability	mg/cmq	18,7	≥ 15
	5.4.3	Tearing Strength	N	118	≥ 60
Vamp lining: non woven textile for toe cap, grey color	5.5.3	Water vapour permeability	mg/cmq h	55,9	≥ 2
		Coefficient of permeability	mg/cmq	447,5	≥ 20
	5.5.1	Tearing Strength	N	74	≥ 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, grey color	5.5.3	Water vapour permeability	mg/cmq h	114,7	≥ 2
		Coefficient of permeability	mg/cmq	917	≥ 20
	5.5.1	Tearing Strength	N	37,6	≥ 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200
		Abrasion resistance (wet)	cycles	no rupture	25.600
Insole lining: non woven textile, antistatic	5.7.3	Water Absorption	Mg/cm ²	140	≥ 70
		Ability to release water		100%	≥ 80%
Sole: monodensity polyurethane, bending resistant, abrasion resistant, oil resistant, slip resistant, antistatic	5.8.2	Tearing Strength	kN/m	8,7	≥ 5
	5.8.3	Abrasion resistance	mm ³	125	≤ 250
	5.8.4	Bending resistance	mm	0	≤ 4
	5.8.5	Hydrolysis	mm	2,0	≤ 6
	6.4.2	Hydrocarbons resistance (volume increase)	%	0,2	≤ 12%
	5.11	Slip resistance on ceramic floor with water and detergent	flat	0,40	≥ 0,32
			inclined	0,35	≥ 0,28
		Slip resistance on steel floor with glycerine	flat	0,18	≥ 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 14362-1:2004 – Textile)

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