FTG
safety shoes

Class:
EN ISO 20345:2011
SB-E-WRU-P-HI
FO-HRO-SRC
Sizes: 38-48
Instep: 12
Weight(±10%): 622 gr. (*)

TECHNICAL SHEET ART. DIANA

Description High shoe in smooth grain leather, black color, 100% polyester lining, non-metallic insole lining HRP INSOLE Insulating, Light & Soft insole insulating and breathable, bi-component sole (rubber-polyurethane) abrasion resistant, oil resistant, insulating and heat resistant.
Suggested sectors of usage Steel industry/foundries, mechanical industry, petrochemical industry, oil & gas 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.

Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirement
Toe cap: Top Composite toe cap, impact resistant 200 J and compression resistance to 15KN	5.3.2.3	Impact resistance	mm	14,5	≥ 14
	5.3.2.4	Compression resistance	mm	14,0	≥ 14
Insulating 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
Capacity of energy absorption in the heel area	6.2.4	Energy absorption in the heel area	J	38,0	≥ 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 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, light grey color	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 Insulating	5.7.3	Water Absorption	Mg/cm^2	82	≥ 70
		Ability to release water		97%	≥ 80%
Sole: nitril rubber outsole applied to a polyurethane midsole with low density and completely injected; abrasion resistant, oil resistant, insulating 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	Hydrocarbons resistance (volume increase)	%	5,0%	≤ 12%
	6.4.1	Resistance to hot temperature	Grades/min	No damage	300°/1min
	5.11	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

Electric insulation law CSA Z195-14 :
current after 1 min. at 20 kVrms size 42 = at voltage of 20 kVmrs the footwear shows no signs of perforation (result: <1 mA)

Diana style and its components: 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