FTG
safety shoes

TECHNICAL SHEET ART. KHIONE

Class:
EN ISO 20345:2011
S3 HRO CI WR SRC
Sizes: 38-48
Instep: 12
Weight(±10%): 747 gr. (*)

Description High shoe in Black waxy smooth TOP LEATHER, HIGH-TEX inserts and ZIP WATERPROOF , FTG WATER-STOP MEMBRANE lining, non-metallic insole lining HRP INSOLE , THERMO-PLUS insole with high thermal isolation, bi-component sole (rubber-polyurethane) abrasion resistant, oil resistant, antistatic and heat resistant , with the "little pad" SOFT WALK inside.
Plus toe protection PRO CAP
Suggested sectors of usage Building/Costruction, Utilities, Mechanical Industry, Farming/Zootechnics, Petrochemical Industry, Cold Enviroment, Mineral Industry/Mining
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	5.3.2.3	Impact resistance	mm	15,0	>= 14
	5.3.2.4	Compression resistance	mm	15,0	>= 14
Midsole: non metallic HRP Insole 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	Mohm	76,8	>= 0,1
		- Dry	Mohm	243	<= 1000
Capacity of energy absorption in the heel area	6.2.4	Energy absorption in the heel area	J	34,0	>= 20
Upper: Black waxy smooth TOP LEATHER , thickness 2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	2,8	>= 0,8
		Coefficient of permeability	mg/cmq	31,8	>= 15
	5.4.3	Tearing Strength	N	244	>= 120
Vamp lining: membrane lining , grey color	5.5.3	Water vapour permeability	mg/cmq h	4,5	>= 2
		Coefficient of permeability	mg/cmq	37,2	>= 20
	5.5.1	Tearing Strength	N	73	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200
		Abrasion resistance (wet)	cycles	no rupture	25.600
Quarter lining: membrane lining , grey color	5.5.3	Water vapour permeability	mg/cmq h	4,5	>= 2
		Coefficient of permeability	mg/cmq	37,2	>= 20
	5.5.1	Tearing Strength	N	73	>= 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, 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%
	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

Khione 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