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PRODUCT SHEET

YULE S3 ESD SRC

 Prod. Ref.
 13041-000

 Safety cat.
 \$3 ESD SRC

 Range of sizes
 39 - 47 (6 - 12)

 Weight (Sz. 9)
 660 g

 Shape
 B

 Widht
 11

Description: Black water repellent full grain leather ankle boot, **SPHERA** lining, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: High electrical conductibility. Stability of the conductive capability for extended period. Footwear completely free from metal parts. TOP COMFORT ESD, footbed made of soft and scented polyurethane, anatomic, holed, with low electric resistance, soft and comfortable. The pattern of the bottom layer guarantees superb impact shock absorption and ease of movement. The upper layer is made of antibacterial textile to prevent from bad odours, to absorb moisture and keep the foot dry. ANTI TORSION SUPPORT made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings and/or unwilled torsion. Perfumed sole

Suggested uses: Footwear for microelectronic industries. Recommendable in ATEX environments

Care and maintenance: Clean after each use and dry off away from direct heat; treat the leather with a suitable shoepolish. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water

Recommendation: It is always necessary to wear socks made of natural fibers i.e. wool or cotton, because they provide the best performance with electrical conductivity. Avoid introducing any foreign body between foot and footbed of the footwear (i.e. insoles or similar items not equipped by the manufacturer), as they could make void the electrical properties the footwear have been conceived for. Do not undervalue the effect of ageing and contamination of the footwear: during time their electrical resistance can be subjected to alterations. It is always important to check the electrical properties of footwear through the use of special testing devices in electrostatic protected area (EPA), according to the European standard CEI EN 61340-5-1

Clause



Cofra

Unit

Requirement

MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

Description

			EN ISO 20345:2011	Description	Offic	result	
Complete shoe			CELEN				
			61340-5-1	Electric resistance of footwear to the ground	$M\Omega$	33,2	0.75 - 35
			61340-4-3	Crosswise outsole electric resistance	$M\Omega$	67	< 100
	Toe cap: non m	netallic TOP RETURN toe cap, Extra Large, impact resistant until 200 J	5.3.2.3	Shock resistant (free high after shock)	mm	15	≥ 14
	and	compression resistant until 1500 kg	5.3.2.4	Compression resistance (free high after compression)	mm	15	≥ 14
		on midsole: in multi-layers highly tensile fabric, penetration resistant, Zero ith low electric resistance	6.2.1	Penetration resistance	N	To 1100 N no perforation	≥ 1100
	Energy absorp	tion system	6.2.4	Shock absorption	J	32	≥ 20
Upper	Black water rep	ellent full grain leather	5.4.6	Water vapour permeability	mg/cmq h	> 0,8	≥ 0,8
	Thickness 1,6/1,8 mm			Permeability coefficient	mg/cmq	> 15	> 15
			6.3.1	Water absorption		18%	≤ 30%
				Water penetration		0,0 g	\leq 0,2 g
Vamp	Textile, breathable, abrasion resistant, colour black		5.5.3	Water vapour permeability	mg/cmq h	> 6	≥ 2
lining	Thickness 1,2 mm			Permeability coefficient	mg/cmq	> 48	≥ 20
Quarter	SPHERA, antibacterial, breathable, abrasion resistant, colour orange		5.5.3	Water vapour permeability	mg/cmq h	> 8,6	≥ 2
lining	thickness 1,2 m	thickness 1,2 mm		Permeability coefficient	mg/cmq	> 69,2	≥ 20
Sole	dual density pol	dual density polyurethane, with low electric resistance, directly injected in the upper:		Abrasion resistance (lost volume)	mm³	43	≤ 150
	Outsole:	black, high density, slipping resistant, abrasion	5.8.4	Flexing resistance (cut increase)	mm	1,5	≤ 4
		resistant and hydrocarbons resistant,	5.8.6	Interlayer bond strength	N/mm	> 5	≥ 4
	Midsole:	black, low density, comfortable and anti-shock	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 0,1	≤ 12

Adherence coefficient of the sole	5.3.5	SRA: ceramic + detergent solution – flat	0,40	≥ 0,32
		SRA: ceramic + detergent solution – heel (contact angle 7°)	0,33	≥ 0,28
		SRB : steel + glycerol – flat	0,18	≥ 0,18
		SRB : steel + glycerol – heel (contact angle 7°)	0,13	≥ 0,13

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