SAFETY PANDA®
Italian Style at Work

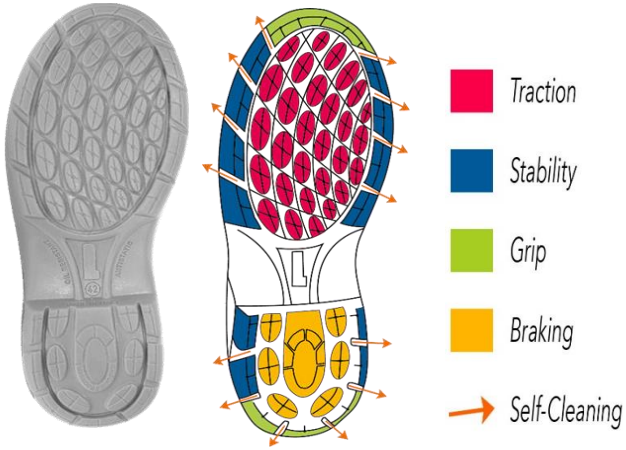
TECHNICAL DATA SHEET

SAFE AT WORK HAPPY IN LIFE

Item code	Item name
32670E S1P SRC ESD	BARI S1P ESD

Technical Specifications

SOLE - Design & Performance



Materials & Components

JACQUARD® FABRIC · REAR TAB · INFINITY INSERT · ESD INSOLE · EXTRA-COMFORT PADDINGS · AIRNET® MESH · SUPER SHELL · SUPER SHIELD · METAL FREE · MICROLIGHT SOLE · ULTRALIGHT FOOTWEAR

EN Standard	EN ISO 20345:2011	**Category of Protection**	S1P ESD	**Slip Resistance**	SRC
Mondopoint	11	**Packaging**	10 Pairs	**Size range**	36-48
Weight (1 Shoe in size 42)	450 Gr.	**MOQ** (Minimum Order Quantity)	Required	**Country of Origin**	ITALY

Products range

STRONG

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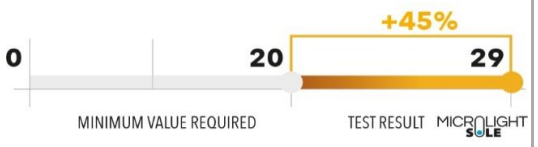
Sole

MICROLIGHT SOLE

Energy absorption coefficent in the heel area



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www.pandasafety.com info@pandasafety.com

Upper	***JACQUARD® fabric*** - Made of polyamide yams with tearing and abrasion resistance
Lining	***AIRNET® mesh*** - Lining in 3-layer fabric distinguished by the "micro-channels technology"
Sole: MICROLIGHT	Midsole made of lightweight high-flexible polyurethane foam
	Outsole made of lightweight high-density polyurethane including anti-static, anti-torsion and shock-absorbing function
Protective toe cap	***SUPER SHIELD*** - Made of composite material guarantees protection from bumps up to 200 J and compressions up to 15 kN
Anti-puncture plate	***SUPER SHELL*** - Multilayer fabric of polyester able to withstand a penetration force up to 1.100 N on 100% of the surface of the foot
Removable insole	***ESD® insole*** - Removable insole made of multilayer compacted felt able to discharge electrostatic build-ups including antimicrobial and anti

SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	EN ISO 20345:2011 standard		Test Result
		Clause	Requirement	
TOE CAP: Impact resistance	mm	5.3.2.3	≥ 14	**14**
TOE CAP: Compression resistance	mm	5.3.2.4	≥ 14	**16**
ANTI-PUNCTURE PLATE: Penetration resistance	N	6.2.1.1	≥ 1.100	**pass**
FOOTWEAR: Antistatic properties *(in **wet** condition)*	MΩ	6.2.2.2	≥ 0,1	**10,9**
FOOTWEAR: Antistatic properties *(in **dry** condition)*	MΩ	6.2.2.2	≤ 1.000	**68**
UPPER: Water vapour permeability	mg/cm2*h	5.4.6	≥ 0,8	**40,3**
UPPER: Water vapour coefficient	mg/cm2	5.4.6	≥ 15	**322,8**
UPPER: Water penetration after 60 min	g	6.3	≤ 0,2	**-**
UPPER: Water absorption after 60 min	%	6.3	≤ 30	**-**
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	5.5.3	≥ 2,0	**76,4**
INTERNAL LINING: Water vapour coefficient	mg/cm2	5.5.3	≥ 20	**611,6**
SOLE: Abrasion resistance	mm3	5.8.3	≤ 150	**71**
SOLE: Energy absorption of seat region (E)	J	6.2.4	≥ 20	**28**
SOLE: Flexural resistance	mm	5.8.4	≤ 4	**0**
SOLE: Interlayer bond strength	N/mm	5.8.6	≥ 4	**6,9**
OUTSOLE: Resistance to fuel oil (FO)	%	6.4.2	≤ 12	**0,7**

SOLE SLIP RESISTANCE SPECIFICATIONS

Friction coefficient	Clause	Requirement		Excess
Ceramic-tile floor with NaLS (7°)	5.3.5.2	≥ 0,28	**0,32**	*14%*
Ceramic-tile floor with NaLS	5.3.5.2	≥ 0,32	**0,33**	*3%*
Steel floor with glycerine (7°)	5.3.5.3	≥ 0,13	**0,17**	*30%*
Steel floor with glycerine	5.3.5.3	≥ 0,18	**0,30**	*66%*

STORAGE, CARE AND MAINTENANCE

✓ PANDA SAFETY footwear should be stored in original packaging, storage temperature should not exceed 35°C, humidity should be less than 80% and without the influence of direct sunlight.
✓ Sandals, shoes and boots should be cleaned after each use; dry off the shoes, not in proximity to or in direct contact with stoves or other sources of heat.
✓ Carry out the periodic treatment of the uppers with suitable products containing wax, grease, silicone, etc.
✓ Avoid contact with aggressive chemicals and extreme temperatures.
✓ Verify the good state before each use.

All data provided in this technical data sheet are subject to modification without notice in the event of evolution in materials and/or components.

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