TECHNICAL DATA SHEET

SAFETY PANDA®
Italian Style at Work

Name	Code
BRINDISI S1 ESD	**32650E S1 SRC ESD**

Product Range	Standard	EN ISO	Weight	Size range	Mondopoint	Packaging
STRONG	S1 SRC ESD	20345:2011	410 grams (1 shoe in size 42)	35 <> 48	11	10 pairs/carton (same size)

TECHNICAL SPECIFICATIONS

SOLE

MICROLIGHT

The MICROLIGHT® soles, which combine cutting-edge compounds for both the PU foam midsole and the compact PU outsole, excel in lightness, flexibility, and elasticity, while offering exceptional stability and wear resistance.

SOLE FEATURES

ANATOMICAL INTERNAL PROFILE · self cleaning · ANTI TORSION · ARCH SUPPORT

PROTECTIVE ELEMENTS

SUPER SHIELD

Safety toe cap made from composite material, shielding toes from impacts up to 200 Joules and compressions up to 15 kN. It is non-magnetic, non-conductive, and provides superior thermal insulation

UPPER

JACQUARD® FABRIC

Made from high-tenacity polyamide yarns, this fabric provides tear and abrasion resistance while offering the textile's lightness and breathability.

LINING

AIRNET® MESH

Three-layer wear-resistant lining featuring a microchannel network for unparalleled breathability and antimicrobial properties to prevent odors and microorganism growth.

FOOTBED

THERM ESD FORMED

Removable, anatomically designed insole featuring ESD technology that provides excellent moisture management, antibacterial and antifungal properties, and includes a cushioned heel insert.

EXTRA

INFINITY INSERT · EXTRA-COMFORT PADDINGS · REAR TAB · ULTRALIGHT FOOTWEAR · METAL FREE

SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	14
TOE CAP: Compression resistance	mm	≥ 14	16
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	-
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	11,4
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	71
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	21,2
UPPER: Water vapour coefficient	mg/cm2	≥ 15	169,9
UPPER: Water penetration after 60 min	g	≤ 0,2	-
UPPER: Water absorption after 60 min	%	≤ 30	-
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	≥ 2,0	76,8
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	614,9
OUTSOLE: Abrasion resistance	mm3	≤ 150	57
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	29
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	6,9
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	1

ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear (Requirements IEC 61340-5-1:2016)	MΩ	≤ 100	54
Resistance to hot contact (HRO)	-	autsoles shall not melt and develop any cracks when bent	-
Cold insulation of outsole complex (CI) 30min/-17°C (temperature decrease on the upper surface of the insock)	°C	≤ 10	-
Heat insulation of outsole complex (HI) 30min/150°C	°C	≤ 22	-
Water resistance (WR) (Total wetted area inside the footwear)	cm2	after 80 min.	-
Electric hazard resistance (EH) 18kV / 60 Hz (Electric flux)	MΩ	≤ 100	-

SOLE DESIGN AND PERFORMANCE

TRACTION · STABILITY · GRIP · BRAKING · SELF-CLEANING · LADDER GRIP

ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA

0 MINIMUM VALUE REQUIRED 20 | TEST RESULT 29 — 45%

INDUSTRIES

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.

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