

TECHNICAL DATA SHEET

Name	Code
POSEIDON S3	33269 S3 SRC

Product Range	Standard	EN ISO	Weight	Size range	Mondopoint	Packaging
	S3 SRC	20345:2011	520 grams (1 shoe in size 42)	35 <> 48	11	10 pairs/carton (same size)

TECHNICAL SPECIFICATIONS



SOLE

SOLE FEATURES



The MICROLIGHT® soles combine cutting-edge PU compounds for both the foam midsole and the compact PU outsole. They deliver exceptional lightness, flexibility, and elasticity while ensuring excellent stability, wear resistance, and long-term comfort



PROTECTIVE ELEMENTS

UPPER

LINING

FOOTBED



Multilayer polymeric toe cap, approximately 40% lighter than steel, yet able to resist impacts of up to 200 Joules and compressive loads of up to 15 Kilonewtons. Non-magnetic, thermally insulating, and corrosion-resistant, it provides complete protection for the toes.



Crafted from multilayer polyester fabric, this protective plate is around 40% lighter than steel while delivering the same resistance to penetration forces, up to 1,100 Newtons. Flexible, non-magnetic, thermally insulating, corrosion-resistant and hypoallergenic, it safeguards 100% of the foot's resting surface



High-tenacity ripstop fabric with outstanding resistance to tearing and abrasion. Lightweight and durable, it protects high-wear areas and retains its shape over time



Three-layer mesh ensuring breathability, moisture control, and lasting comfort



Removable polyurethane insole with integrated gel for superior impact absorption. Incorporates ESD technology to safely dissipate electrostatic charges

EXTRA



SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	16,5
TOE CAP: Compression resistance	mm	≥ 14	19,5
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	pass
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	10,9
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	68
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	10,8
UPPER: Water vapour coefficient	mg/cm2	≥ 15	86,7
UPPER: Water penetration after 60 min	g	≤ 0,2	0
UPPER: Water absorption after 60 min	%	≤ 30	3
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	≥ 2,0	85,5
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	725,9
OUTSOLE: Abrasion resistance	mm3	≤ 150	78
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	30
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	6,9
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	1,2

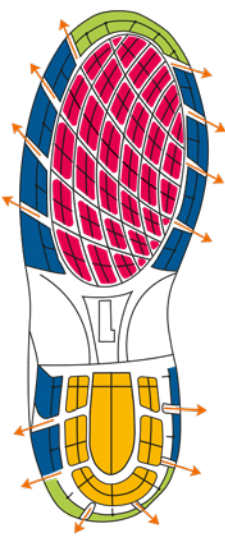
ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear Requirements IEC 61340-5-1:2016	MΩ	≤ 1,00	-
Resistance to hot contact (HRO)	-	outsoles 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	-

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.

SOLE DESIGN AND PERFORMANCE



TRACTION STABILITY GRIP BRAKING SELF-CLEANING LADDER GRIP





INDUSTRIES

