

TECHNICAL DATA SHEET

SAFETY

PANDA®

Italian Style at Work

Name

MONZA

Product Range

**STRONG
PROFESSIONAL**

Standard

S3 FO SR

Code

96239 S3 FO SR

EN ISO

20345:2022

Weight

670 grams
(1 shoe in size 42)

Size range

35 < 50

11

Mondopoint

10 pairs/carton
(same size)

Packaging

BEST SELLER



TECHNICAL SPECIFICATIONS



TOE CAP



RESISTANCE,
SAFETY



ERGONOMICS
AND COMFORT



SLIP RESISTANCE
DETERGENT



FUEL OIL
RESISTANT



SHOCK ABSORBER



ANTISTATIC



WATER RESISTANT
UPPER

SOLE

**DOUBLE
FORMULA**

DOUBLE FORMULA® soles feature a morpho-anatomical design that blends light, flexible PU foam midsoles with durable tread made of compact PU. The result is an outsole that guarantees long-lasting grip, stability, and comfort even in the toughest workplaces.

PROTECTIVE ELEMENTS



STEEL
SHIELD

Protective toe cap manufactured from hardened steel and coated with epoxy paint. Certified to withstand impacts of up to 200 Joules and compressive loads of up to 15 Kilonewtons. Its slim profile maximises interior space while maintaining both safety and comfort.



STEEL
SHELL

Integrated into the sole, this corrosion-resistant steel plate is designed to protect the foot from penetration by sharp objects. Each plate undergoes rigorous testing and guarantees resistance of up to 1,100 Newtons.



BIDRO
BARTON®
LEATHER

Waterproof leather treated to protect against moisture without reducing breathability. Ensures durability and abrasion resistance in environments exposed to liquids.



SILON®

High-performance insole resistant to abrasion and bacteria



ATHERMO
FORMED

Removable insole that evenly distributes weight, adapts to foot morphology, and provides antistatic, antibacterial, antifungal, and ESD protection. A cushioned heel insert further enhances comfort

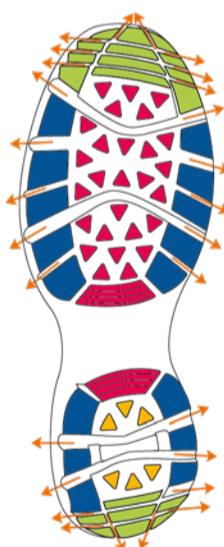
EXTRA

**EXTRA-COMFORT
PADDINGS**

SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	19
TOE CAP: Compression resistance	mm	≥ 14	21
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	1484
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	93
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	155
UPPER: Water vapour permeability	mg/cm ² *h	≥ 0,8	1,5
UPPER: Water vapour coefficient	mg/cm ²	≥ 15	19,2
UPPER: Water penetration after 60 min	g	≤ 0,2	0
UPPER: Water absorption after 60 min	%	≤ 30	2,2
INTERNAL LINING: Water vapour permeability	mg/(cm ² *h)	≥ 2,0	17,5
INTERNAL LINING: Water vapour coefficient	mg/cm ²	≥ 20	139,9
OUTSOLE: Abrasion resistance	mm ³	≤ 150	56
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	48
OUTSOLE: Flexural resistance	mm	≤ 4	1
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	5,2
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	3,1

SOLE DESIGN AND PERFORMANCE



TRACTION STABILITY GRIP BRAKING SELF-CLEANING LADDER GRIP

0 MINIMUM VALUE REQUIRED 20 TEST RESULT 48 140% ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA

	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear	MΩ	≤ 1,00	-
Resistance to hot contact (HRO)	-	autosoles shall not melt and develop any cracks when bent	-
Cold insulation of outsole complex (CI) 30min/-17°C	°C	≤ 10	-
Heat insulation of outsole complex (HI) 30min/150°C	°C	≤ 22	-
Water resistance (WR)	cm ²	after 80 min.	-
Electric hazard resistance (EH) 18kV / 60 Hz	MΩ	≤ 100	-

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.