TECHNICAL DATA SHEET

SAFETY PANDA® Italian Style at Work

Name	Code
MONVISO O2 FO	**8538 O2 FO**

Product Range	Standard	EN ISO	Weight	Size range	Mondopoint	Packaging
TOPTREKKING	O2 FO	20347:2022 +A1:2024	750 grams (1 shoe in size 42)	38 <> 48	11	6 pairs/carton (same size)

TECHNICAL SPECIFICATIONS

RESISTANCE, SAFETY · ERGONOMICS AND COMFORT · SLIP RESISTANCE DETERGENT · FUEL OIL RESISTANT · SHOCK ABSORBER · ANTISTATIC · WATER RESISTANT UPPER · OUTSOLE WITH CLEATS

SOLE

THERMO GRIP

THERMO GRIP® soles feature a PU foam midsole and a thermo-polyurethane outsole, designed for superior grip, even weight distribution, thermal insulation, and anti-abrasion reinforcement

SOLE FEATURES

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

PROTECTIVE ELEMENTS

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UPPER

WATERPROOF RAMON® LEATHER

Multi-layer waterproof leather designed to block liquid penetration. Maintains stability and breathability, providing reliable protection in wet conditions

LINING

TIGER®

Ladderproof lining offering enhanced wear resistance

FOOTBED

THERMOFORMED

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 · REAR TAB

SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	-
TOE CAP: Compression resistance	mm	≥ 14	-
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	-
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	10,9
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	322
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	2,5
UPPER: Water vapour coefficient	mg/cm2	≥ 15	25,5
UPPER: Water penetration after 60 min	g	≤ 0,2	0
UPPER: Water absorption after 60 min	%	≤ 30	8
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	≥ 2,0	55,7
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	446,1
OUTSOLE: Abrasion resistance	mm3	≤ 150	100
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	39
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	4,4
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	2,2

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)	-	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	39	95%

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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