TECHNICAL DATA SHEET

SAFETY PANDA® Italian Style at Work

Name	Code
NUOVO MITO O2 FO	**6909N O2 FO SR**

Product Range	Standard	EN ISO	Weight	Size range	Mondopoint	Packaging
STRONG	O2 FO SR	20347:2022	455 grams (1 shoe in size 42)	35 <> 50	10,5	10 pairs/carton (same size)

TECHNICAL SPECIFICATIONS

SOLE

DOUBLE FORMULA

DOUBLE FORMULA® soles feature a morpho-anatomical design, blending light, flexible PU foam midsoles with durable, grippy outsoles made of compact PU.

SOLE FEATURES

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

PROTECTIVE ELEMENTS

UPPER

IDRO BARTON® LEATHER

A special tanning process involving a polyurethane film application makes this genuine leather completely water-resistant, offering enhanced protection.

LINING

SILON®

Microfiber lining, treated to inhibit bacterial and microbial growth, boasts exceptional breathability and superior abrasion resistance.

FOOTBED

THERMFORMED

Removable insole that distributes weight evenly, adapts to foot morphology and has anti-static, antibacterial, and antifungal properties. A cushioned heel insert adds comfort.

EXTRA

EXTRA-COMFORT PADDINGS · REFLECTOR · PLR POLYURETHANIC LEATHER REINFORCE · ULTRALIGHT FOOTWEAR

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	22
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	307
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	1,5
UPPER: Water vapour coefficient	mg/cm2	≥ 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/(cm2*h)	≥ 2,0	17,5
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	139,9
OUTSOLE: Abrasion resistance	mm3	≤ 150	24
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	37
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	6,3
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	3,1

ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear Requirements IEC 61340-5-1:2016	mA	≤ 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 · 35 · 75%

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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