

TECHNICAL DATA SHEET

Name

Code

ZUMA M

3001U OB A E FO SR

Product Range

Standard

EN ISO

Weight

Size range

Mondopoint

Packaging



OB A E FO SR

20347:2022

250 grams
(1 shoe in size 42)

42 <-> 50

11

10 pairs/carton
(same size)

TECHNICAL SPECIFICATIONS



SOLE

SOLE FEATURES



The PU COMB® sole, entirely crafted from polyurethane foam, offers lightness, elasticity, and comfort. Its honeycomb tread provides suction cup grip, superior slip-resistance, and self-cleaning features.



PROTECTIVE ELEMENTS

UPPER

LINING

FOOTBED



Flexible yet deformation-resistant split leather with a finishing film applied for a smooth, even texture.



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



Antistatic and anti-odour removable insole with SANITIZED® technology ensuring hygiene and a fresh feeling all day.



EXTRA



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	27
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	257
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	20,2
UPPER: Water vapour coefficient	mg/cm2	≥ 15	163,2
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	20,2
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	163,2
OUTSOLE: Abrasion resistance	mm3	≤ 150	97
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	40
OUTSOLE: Flexural resistance	mm	≤ 4	0,5
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	4,1
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	5

ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear <small>Requirements IEC 61340-5-1:2016</small>	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 <small>(temperature decrease on the upper surface of the insole)</small>	°C	≤ 10	-
Heat insulation of outsole complex (HI) 30min/150°C	°C	≤ 22	-
Water resistance (WR) <small>(Total wetted area inside the footwear)</small>	cm2	after 80 min.	-
Electric hazard resistance (EH) 18kV / 60 Hz <small>(Electric flux)</small>	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



ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA



INDUSTRIES

