

TECHNICAL DATA SHEET

Name

ALBENSIS

Code

39560 S3S FO SR

Product Range



Standard

S3S FO SR

EN ISO

20345:2022

Weight

450 grams
(1 shoe in size 42)

Size range

35 <-> 48

Mondopoint

11

Packaging

10 pairs/carton
(same size)

TECHNICAL SPECIFICATIONS



SOLE

SOLE FEATURES

MICROLIGHT

The MICROLIGHT® soles, which combine cutting-edge compounds for both the PU foam midsole and the compact PU outsole, excel in lightness, flexibility, and elasticity, while offering exceptional stability and wear resistance.

ANATOMICAL INTERNAL PROFILE

self cleaning

ANTI TORSION

ARCH SUPPORT

PROTECTIVE ELEMENTS

UPPER

LINING

FOOTBED

SUPER SHIELD

Safety toe cap made from composite material, shielding toes from impacts up to 200 Joules and compressions up to 15 kN. It is non-magnetic, non-conductive, and provides superior thermal insulation.

SUPER SHELL

Protective plate made from multi-layer polyester, 40% lighter than steel, yet equally resistant up to 1,100 Newtons. It is non-magnetic, insulating and hypoallergenic.

WATERPROOF MICROFIBRE

Hypoallergenic microfiber with high breathability, tear, rip, scratch, and friction resistance, plus water-repellent and stain-resistant properties.

AIRNET[®] SANITIZED

Made from durable multi-layer fabric, this lining offers excellent breathability and moisture wicking. It features SANITIZED[®] treatment to suppress microorganism growth and prevent odours.

SANITIZED[®] INSOLE

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

EXTRA

INFINITY INSERT

ULTRALIGHT FOOTWEAR

METAL FREE

100% SANITIZED[®]

Washable



SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	15,5
TOE CAP: Compression resistance	mm	≥ 14	16,5
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	pass
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	8
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	104
UPPER: Water vapour permeability	mg/cm ² *h	≥ 0,8	0,9
UPPER: Water vapour coefficient	mg/cm ²	≥ 15	15,1
UPPER: Water penetration after 60 min	g	≤ 0,2	0
UPPER: Water absorption after 60 min	%	≤ 30	2,6
INTERNAL LINING: Water vapour permeability	mg/(cm ² *h)	≥ 2,0	81,1
INTERNAL LINING: Water vapour coefficient	mg/cm ²	≥ 20	1045,8
OUTSOLE: Abrasion resistance	mm ³	≤ 150	92
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	32
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	4
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	1,6

ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear <small>Requirements IEC 61340-5-1:2016</small>	mA	≤ 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 <small>(temperature decrease on the upper surface of the insock)</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>	cm ²	after 80 min.	-
Electric hazard resistance (EH) 18kV / 60 Hz <small>(Electric flux)</small>	MΩ	≤ 100	-

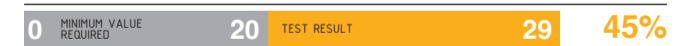
STORAGE, CARE AND MAINTENANCE

- 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

