

TECHNICAL DATA SHEET

Name

CEFALÙ S1 ESD

Code

36711NE S1 SRC ESD

Product Range



Standard

S1 SRC ESD

EN ISO

20345:2022

Weight

500 grams
(1 shoe in size 42)

Size range

35 <> 48

Mondopoint

11

Packaging

10 pairs/carton
(same size)

TECHNICAL SPECIFICATIONS



SOLE

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.



PROTECTIVE ELEMENTS



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.

UPPER



Crafted from premium leather and treated for a velvety touch, combines softness with resilience for daily work.

LINING



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

FOOTBED



Removable insole with ESD function to dissipate electrostatic buildup and antimicrobial/anti-bacterial treatment.

EXTRA



SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	16,5
TOE CAP: Compression resistance	mm	≥ 14	18,5
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	-
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	11,5
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	121
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	9,6
UPPER: Water vapour coefficient	mg/cm2	≥ 15	84,9
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	81,1
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	649,1
OUTSOLE: Abrasion resistance	mm3	≤ 150	67
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	28
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	6,9
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	1,2

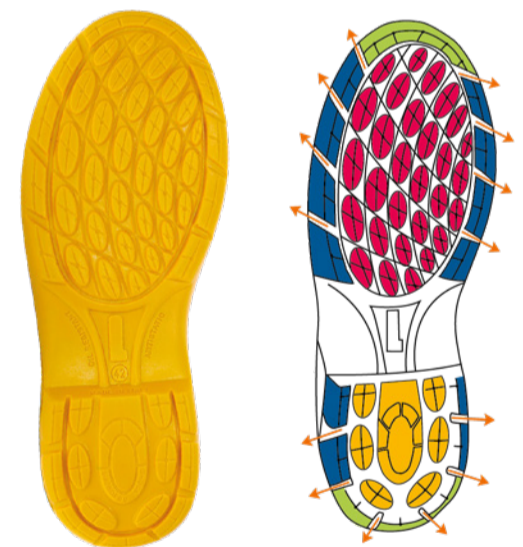
ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear <small>Requirements IEC 61340-5-1:2016</small>	MΩ	≤ 100	87
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 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>	cm2	after 80 min.	-
Electric hazard resistance (EH) 18kV / 60 Hz <small>(Electric flux)</small>	MΩ	≤ 100	-

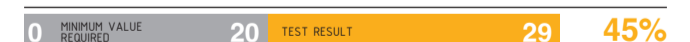
STORAGE, CARE AND MAINTENANCE

- 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

