TECHNICAL DATA SHEET



Name Code

ENERGY BLUE 11250 S1PL FO SR

EN ISO Standard Weight **Packaging Product Range** Size range Mondopoint 500 grams S1PL F0 SR 20345:2022 35 <> 50 6 pairs/carton







SOLE





(1 shoe in size 42)







(same size)





















UPPER

LINING

FOOTBED



Measurement Unit

Made from a high-strength aluminum alloy used in aerospace, this safety

Test Result

layer polyester, 40% lighter than to e cap protects against impacts up to 200 Joules and compressions up to 15 1,100 Newtons. It is non-magnetic, insulating and hypoallergenic.

SUPER

₩ JACQUARD® Made from high-tenacity polya-

Abrasion-resistant and breathable mide yarns, this fabric provides lining that maintains the ideal tear and abrasion resistance while microclimate inside the footwear offering the textile's lightness and

HGH <u>-PER</u> ABSORBE

Advanced removable insole crafted from polyurethane and polyether, providing antistatic properties, unbeatable cushioning, moisture management, and continuous air circulation.



Requirement







SAFETY TECHNICAL SPECIFICATIONS

Description

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TOE CAP: Impact resistance	mm	≥ 14	14,5
TOE CAP: Compression resistance	mm	≥ 14	20
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	pass
FOOTWEAR: Antistatic properties (in wet condition)	МΩ	≥ 0,1	13,5
FOOTWEAR: Antistatic properties (in dry condition)	МΩ	≤ 1.000	300
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	9,8
UPPER: Water vapour coefficient	mg/cm2	≥ 15	78,7
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	48,3
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	386,8
OUTSOLE: Abrasion resistance	mm3	≤ 150	38
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	35
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	7,7
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	1,5

ADDITIONAL FEATURES

Measurement Unit	Requirement	Results
MΩ	≤ 1,00	-
-	autsoles shall not melt and develop any cracks when bent	-
°C	≤ 10	-
°C	≤ 22	-
cm2	after 80 min.	-
MΩ	≤ 100	-
	MΩ - °C °C cm2	MΩ ≤ 1,00 - autsoles shall not melt and develop any cracks when bent °C ≤ 10 °C ≤ 22 cm2 after 80 min.

SOLE DESIGN AND PERFORMANCE



TRACTION STABILITY GRIP BRAKING SELF-CLEANING LADDER GRIP

ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA

MINIMUM VALUE REQUIRED 20 TEST RESULT

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.

