## **TECHNICAL DATA SHEET**



Name Code

## LINEA S1

# 31170 S1 FO SR

**EN ISO Product Range** Standard Weight Size range Mondopoint **Packaging** 390 grams 35 <> 48 10 pairs/carton S1 F0 SR 20345:2022 (1 shoe in size 42) (same size)



**TECHNICAL SPECIFICATIONS** 

















## **SOLE**

#### **SOLE FEATURES**

## MICROLIGHT









The MICROLIGHT® soles, which combine cuttingedge compounds for both the PU foam midsole and the compact PU outsole, excel in lightness, flexibility, and elasticity, while offering exceptional

#### **PROTECTIVE ELEMENTS**



**UPPER** 



**LINING** 





Heat-treated and epoxy-coated safety toe cap withstands impacts up to 200 Joules and compressions up to 15 kN. Stainless steel fibers increase durability and beveled edges enhance comfort



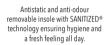
properties.

Hypoallergenic microfiber with Made from durable multi-layer high breathability, tear, rip, scratch, and friction resistance, plus water-repellent and stain-resistant



fabric, this lining offers excellent breathability and moisture wicking. It features SANITIZED® treatment to suppress microorganism growth and prevent odours.

SANITIZED





Requirement













**Test Result** 

## SAFETY TECHNICAL SPECIFICATIONS

Description

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TOE CAP: Impact resistance	mm	≥ 14	18
TOE CAP: Compression resistance	mm	≥ 14	17
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	-
FOOTWEAR: Antistatic properties (in wet condition)	МΩ	≥ 0,1	71
FOOTWEAR: Antistatic properties (in dry condition)	МΩ	≤ 1.000	122
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	1,8
UPPER: Water vapour coefficient	mg/cm2	≥ 15	17
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	85,5
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	725,9
OUTSOLE: Abrasion resistance	mm3	≤ 150	62
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	32
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	6,9
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	1,7

**Measurement Unit** 

### **ADDITIONAL FEATURES**

<b>Measurement Unit</b>	Requirement	Results
mA	≤ 1,00	-
-	autsoles shall not melt and develop any cracks when bent	-
°C	≤ 10	-
°C	≤ 22	-
cm2	after 80 min.	-
MΩ	≤ 100	-
	mA - °C °C cm2	mA ≤ 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 45%

### **INDUSTRIES**





- 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.

