# **TECHNICAL DATA SHEET**



Name Code

## **PERANA S2** 34549 S2 FO SR

**EN ISO Product Range** Standard Weight Size range Mondopoint **Packaging** 420 grams S2 F0 SR 35 <> 48 10 pairs/carton 20345:2022 (1 shoe in size 42) (same size)



## **TECHNICAL SPECIFICATIONS**





















**SOLE** 

## **SOLE FEATURES**











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**



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

# MICROFIBRE

**UPPER** 

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



**LINING** 

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.



**FOOTBED** 

removable insole with SANITIZED® technology ensuring hygiene and a fresh feeling all day.

## **EXTRA**

Requirement













**Test Result** 

# SAFETY TECHNICAL SPECIFICATIONS

Description

Description	Measurement out	riequirement	Test Hesuit
TOE CAP: Impact resistance	mm	≥ 14	18
TOE CAP: Compression resistance	mm	≥ 14	19
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	-
FOOTWEAR: Antistatic properties (in wet condition)	МΩ	≥ 0,1	4,8
FOOTWEAR: Antistatic properties (in dry condition)	МΩ	≤ 1.000	80
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	0,9
UPPER: Water vapour coefficient	mg/cm2	≥ 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/(cm2*h)	≥ 2,0	130,7
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	1045,8
OUTSOLE: Abrasion resistance	mm3	≤ 150	39
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	29
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	4,9
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	2,1

**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**



## 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.

