# **TECHNICAL DATA SHEET**



Name Code

## **ASTA** 09800 S3S FO HRO SC SR

**EN ISO Standard** Weight **Packaging Product Range** Size range Mondopoint S3S F0 HR0 20345:2022+A1:2024 720 grams 38 <> 48 6 pairs/carton (1 shoe in size 42) (same size)



## **TECHNICAL SPECIFICATIONS**

OUTSOLE WITH CLEATS









HEAT RÉSISTANT OUTSOLE

SLIP RESISTANCE GLYCERINE







SC SR

# **SOLE**

WATER RESISTANT UPPER







**SUPER** 



**LINING** 







safety footwear, where their soles blend unique designs with cutting-edge compounds. The TC4+ compound offers unmatched grip, stability, thermal insulation, and

### **UPPER**

### **FOOTBED**



**PROTECTIVE ELEMENTS** 



The most durable among the fullgrain leathers; it guarantees total water resistance thanks to a special tanning process.

RAMON°

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

AIRNET

THERM RMED

Removable insole that distributes weight evenly, adapts to foot morphology and has anti-static, antibacterial, and antifungal properties. A cushioned heel insert adds comfort. odors and microorganism growth.















Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	15,5
TOE CAP: Compression resistance	mm	≥ 14	19
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	1350
FOOTWEAR: Antistatic properties (in wet condition)	МΩ	≥ 0,1	124
FOOTWEAR: Antistatic properties (in dry condition)	ΜΩ	≤ 1.000	300
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	1,5
UPPER: Water vapour coefficient	mg/cm2	≥ 15	17,5
UPPER: Water penetration after 60 min	g	≤ 0,2	0
UPPER: Water absorption after 60 min	%	≤ 30	3
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	≥ 2,0	95,1
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	761,2
OUTSOLE: Abrasion resistance	mm3	≤ 150	71
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	36
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	4,1
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	4

# **ADDITIONAL FEATURES**

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

# **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.

