# **TECHNICAL DATA SHEET**



Name Code

#### 6922 S3 FO SR **HV ALFA S3**

**EN ISO** Standard Weight **Product Range** Size range Mondopoint **Packaging** 595 grams 10 pairs/carton S3 F0 SR 20345:2022+A1:2024 35 <> 50 10,5 (1 shoe in size 42) (same size)





SLIP RESISTANCE GLYCERINE

















**Measurement Unit** 



**D**UBLE

FORMULA

STEEL

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

**SOLE FEATURES** 





STEEL

Corrosion-resistant steel plate

integrated into the outsole, prong the foot from penetration

by foreign objects.

WATER RESISTANT UPPER







**FOOTBED** 



#### **PROTECTIVE ELEMENTS**





a polyurethane film application makes this genuine leather com-

pletely water-resistant, offering

enhanced protection

**UPPER** 



**LINING** 

Three-layer wear-resistant lining featuring a microchannel network for unparalleled breathability and

antimicrobial properties to prevent

odors and microorganism growth

Antistatic and anti-odour removable insole with SANITIZED® technology ensuring hygiene and a fresh feeling all day.

**SANITIZED®** 

**EXTRA** 

Requirement



**Test Result** 







## SAFETY TECHNICAL SPECIFICATIONS

Description

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TOE CAP: Impact resistance	mm	≥ 14	18,5
TOE CAP: Compression resistance	mm	≥ 14	19,5
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	1281
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	6,1
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	138
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	1,5
UPPER: Water vapour coefficient	mg/cm2	≥ 15	19,2
UPPER: Water penetration after 60 min	g	≤ 0,2	0
UPPER: Water absorption after 60 min	%	≤ 30	2,2
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	62
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	38
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	6,3
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	3,9

#### **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 **75%** 

#### **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.

