TECHNICAL DATA SHEET



Name Code

HV YPSILON S1

61122 S1 FO SR

Weight **Packaging Product Range** Size range Mondopoint 495 grams S1 F0 SR 20345:2022 35 <> 50 10,5 10 pairs/carton (1 shoe in size 42) (same size)

EN ISO









SLIP RESISTANCE GLYCERINE













Measurement Unit

Standard

SOLE

LADDER GRAB

SOLE FEATURES















LINING

FOOTBED



DOUBLE FORMULA® soles feature a morphoanatomical design, blending light, flexible PU foam midsoles with durable, grippy outsoles made of

> 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



for daily work.

and treated for a velvety touch, combines softness with resilience



featuring a microchannel network for unparalleled breathability and antimicrobial properties to prevent odors and microorganism growth.

AIRNET

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

EXTRA

Requirement



Test Result











SAFETY TECHNICAL SPECIFICATIONS

Description

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TOE CAP: Impact resistance	mm	≥ 14	18
TOE CAP: Compression resistance	mm	≥ 14	20,5
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	-
FOOTWEAR: Antistatic properties (in wet condition)	МΩ	≥ 0,1	4,7
FOOTWEAR: Antistatic properties (in dry condition)	ΜΩ	≤ 1.000	111
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	9,6
UPPER: Water vapour coefficient	mg/cm2	≥ 15	84,9
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	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	40
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
mΔ		
IIIA	≤ 1,00	-
-	autsoles shall not melt and develop any cracks when bent	-
°C	≤ 10	-
°C	≤ 22	-
cm2	after 80 min.	-
ΜΩ	≤ 100	-
	°C cm2	- 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.

