TECHNICAL DATA SHEET



(same size)

Name Code

ZIP	52099 S3S FO					
Product Range	Standard	EN ISO	Weight	Size range	Mondopoint	Packaging
	S3S F0	20345:2022	550 grams	38 <> 48	11	6 pairs/carton



TECHNICAL SPECIFICATIONS

















Measurement Unit

SOLE

THERMO GRIP® soles feature a PU foam midsole and thermo-polyurethane outsole for superior grip, even weight distribution, thermal insulation, and antiabrasion reinforcements.

SUPER

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

WATER RESISTANT UPPER

SOLE FEATURES

(1 shoe in size 42)



OUTSOLE WITH CLEATS















LINING

FOOTBED





1,100 Newtons. It is non-magnetic,

insulating and hypoallergenic.

A durable, water and mould resistant synthetic polyurethane fibre that stands out for its flexibility, stretching up to five times its length.

LYCRA



microclimate inside the footwear

Abrasion-resistant and breathable Removal lining that maintains the ideal antistatic p

Removable insole made from antistatic polyurethane, featuring a polyurethane gel heel insert for shock absorption, and treated with antimicrobial and antibacterial

agents.

SOFT-GEL

INSOLE

EXTRA

Requirement



Test Result









SAFETY TECHNICAL SPECIFICATIONS

Description

Description	Measurement out	nequirement	lest nesult
TOE CAP: Impact resistance	mm	≥ 14	15
TOE CAP: Compression resistance	mm	≥ 14	15
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	1587
FOOTWEAR: Antistatic properties (in wet condition)	МΩ	≥ 0,1	68,8
FOOTWEAR: Antistatic properties (in dry condition)	МΩ	≤ 1.000	259
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	2,2
UPPER: Water vapour coefficient	mg/cm2	≥ 15	18,3
UPPER: Water penetration after 60 min	g	≤ 0,2	0
UPPER: Water absorption after 60 min	%	≤ 30	7,8
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	≥ 2,0	81,7
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	654
OUTSOLE: Abrasion resistance	mm3	≤ 150	94
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	38
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	5,7
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	3,4

ADDITIONAL FEATURES

Measurement Unit	Requirement ≤ 1,00	Results
МΩ	≤ 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

0 MINIMUM VALUE 20 TEST RESULT 38 +90%

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.

