

# TECHNICAL DATA SHEET

Name

Code

**YPSILON NEOS S1**

**61111N S1 SRC**

Product Range

Standard

EN ISO

Weight

Size range

Mondopoint

Packaging



S1 SRC

20345:2011

495 grams  
(1 shoe in size 42)

35 <-> 50

10,5

10 pairs/carton  
(same size)

## TECHNICAL SPECIFICATIONS



## SOLE

## SOLE FEATURES



DOUBLE FORMULA® soles feature a morpho-anatomical design, blending light, flexible PU foam midsoles with durable, grippy outsoles made of compact PU.

## PROTECTIVE ELEMENTS

## UPPER

## LINING

## FOOTBED



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.

Crafted from premium leather and treated for a velvety touch, combines softness with resilience for daily work.

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.

## EXTRA



## SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
<b>TOE CAP:</b> Impact resistance	mm	≥ 14	18
<b>TOE CAP:</b> Compression resistance	mm	≥ 14	20,5
<b>ANTI-PUNCTURE PLATE:</b> Penetration resistance	N	≥ 1.100	-
<b>FOOTWEAR:</b> Antistatic properties (in wet condition)	MΩ	≥ 0,1	4,7
<b>FOOTWEAR:</b> Antistatic properties (in dry condition)	MΩ	≤ 1.000	111
<b>UPPER:</b> Water vapour permeability	mg/cm2*h	≥ 0,8	9,6
<b>UPPER:</b> Water vapour coefficient	mg/cm2	≥ 15	84,9
<b>UPPER:</b> Water penetration after 60 min	g	≤ 0,2	-
<b>UPPER:</b> Water absorption after 60 min	%	≤ 30	-
<b>INTERNAL LINING:</b> Water vapour permeability	mg/(cm2*h)	≥ 2,0	130,7
<b>INTERNAL LINING:</b> Water vapour coefficient	mg/cm2	≥ 20	1045,8
<b>OUTSOLE:</b> Abrasion resistance	mm3	≤ 150	62
<b>OUTSOLE:</b> Energy absorption of seat region (E)	J	≥ 20	40
<b>OUTSOLE:</b> Flexural resistance	mm	≤ 4	0
<b>OUTSOLE:</b> Interlayer bond strength	N/mm	≥ 4	6,3
<b>OUTSOLE:</b> Resistance to fuel oil (FO)	%	≤ 12	3,9

## ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
<b>Electrical resistance for ESD footwear</b> <small>Requirements IEC 61340-5-1:2016</small>	mA	≤ 1,00	-
<b>Resistance to hot contact (HRO)</b>	-	outsoles shall not melt and develop any cracks when bent	-
<b>Cold insulation of outsole complex (CI) 30min/-17°C</b> <small>(temperature decrease on the upper surface of the insock)</small>	°C	≤ 10	-
<b>Heat insulation of outsole complex (HI) 30min/150°C</b>	°C	≤ 22	-
<b>Water resistance (WR)</b> <small>(Total wetted area inside the footwear)</small>	cm2	after 80 min.	-
<b>Electric hazard resistance (EH) 18kV / 60 Hz</b> <small>(Electric flux)</small>	MΩ	≤ 100	-

## 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.

## SOLE DESIGN AND PERFORMANCE



ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA



## INDUSTRIES

