

TECHNICAL DATA SHEET

Name

SETA S2

Code

3419 S2 FO SR

Product Range



Standard

S2 FO SR

EN ISO

20345:2022

Weight

410 grams
(1 shoe in size 42)

Size range

35 <-> 50

Mondopoint

11

Packaging

10 pairs/carton
(same size)

TECHNICAL SPECIFICATIONS



SOLE

SOLE FEATURES



The PU COMB® sole, entirely crafted from polyurethane foam, offers lightness, elasticity, and comfort. Its honeycomb tread provides suction cup grip, superior slip-resistance, and self-cleaning features.



PROTECTIVE ELEMENTS



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.



Hypoallergenic microfiber with high breathability, tear, rip, scratch, and friction resistance, plus water-repellent and stain-resistant properties.



Made from durable multi-layer fabric, this lining offers excellent breathability and moisture wicking. It features SANITIZED® treatment to suppress microorganism growth and prevent odours.



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 |
|---|------------------|-------------|-------------|
| TOE CAP: Impact resistance | mm | ≥ 14 | 17 |
| TOE CAP: Compression resistance | mm | ≥ 14 | 19,5 |
| ANTI-PUNCTURE PLATE: Penetration resistance | N | ≥ 1.100 | - |
| FOOTWEAR: Antistatic properties (in wet condition) | MΩ | ≥ 0,1 | 27,2 |
| FOOTWEAR: Antistatic properties (in dry condition) | MΩ | ≤ 1.000 | 368 |
| UPPER: Water vapour permeability | mg/cm2*h | ≥ 0,8 | 1,6 |
| UPPER: Water vapour coefficient | mg/cm2 | ≥ 15 | 15,3 |
| UPPER: Water penetration after 60 min | g | ≤ 0,2 | 0 |
| UPPER: Water absorption after 60 min | % | ≤ 30 | 2,6 |
| INTERNAL LINING: Water vapour permeability | mg/(cm2*h) | ≥ 2,0 | 35,5 |
| INTERNAL LINING: Water vapour coefficient | mg/cm2 | ≥ 20 | 284,1 |
| OUTSOLE: Abrasion resistance | mm3 | ≤ 150 | 90 |
| OUTSOLE: Energy absorption of seat region (E) | J | ≥ 20 | 31 |
| OUTSOLE: Flexural resistance | mm | ≤ 4 | 0 |
| OUTSOLE: Interlayer bond strength | N/mm | ≥ 4 | 6,7 |
| OUTSOLE: Resistance to fuel oil (FO) | % | ≤ 12 | 0 |

ADDITIONAL FEATURES

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

