# TECHNICAL DATA SHEET

SAFETY PANDA® Italian Style at Work

| Name | Code |
|---|---|
| **PORTER** | **36560N SB A E SRC** |

| Product Range | Standard | EN ISO | Weight | Size range | Mondopoint | Packaging |
|---|---|---|---|---|---|---|
| sanitary & food | SB A E SRC | 20345:2011 | 400 grams (1 shoe in size 42) | 35 <> 48 | 11 | 10 pairs/carton (same size) |

## TECHNICAL SPECIFICATIONS

COMPOSITE TOE CAP · RESISTANCE, SAFETY · ERGONOMICS AND COMFORT · SLIP RESISTANCE DETERGENT · FUEL OIL RESISTANT · SHOCK ABSORBER · ANTISTATIC · SLIP RESISTANCE GLYCERINE

## SOLE

MICROLIGHT

The MICROLIGHT® soles, which combine cutting-edge compounds for both the PU foam midsole and the compact PU outsole, excel in lightness, flexibility, and elasticity, while offering exceptional stability and wear resistance.

## SOLE FEATURES

ANATOMICAL INTERNAL PROFILE · self cleaning · ANTI TORSION · ARCH SUPPORT

## PROTECTIVE ELEMENTS

SUPER SHIELD

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.

## UPPER

WATERPROOF MICROFIBRE

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

## LINING

AIRNET® SANITIZED

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.

## FOOTBED

SANITIZED® INSOLE

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

## EXTRA

INFINITY INSERT · ULTRALIGHT FOOTWEAR · 100% SANITIZED® · Washable

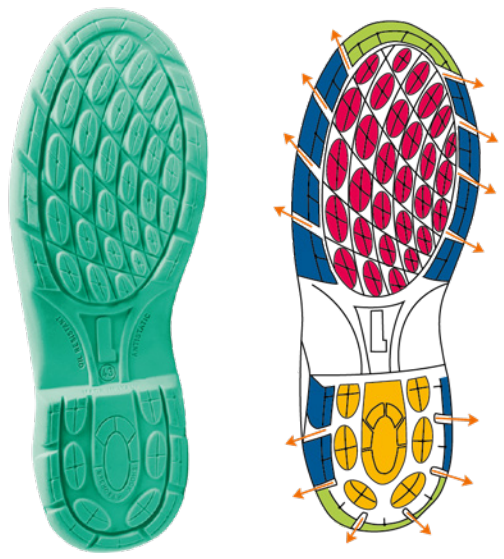
## SAFETY TECHNICAL SPECIFICATIONS

| Description | Measurement Unit | Requirement | Test Result |
|---|---|---|---|
| **TOE CAP:** Impact resistance | mm | ≥ 14 | 16,5 |
| **TOE CAP:** Compression resistance | mm | ≥ 14 | 18 |
| **ANTI-PUNCTURE PLATE:** Penetration resistance | N | ≥ 1.100 | - |
| **FOOTWEAR:** Antistatic properties (in wet condition) | MΩ | ≥ 0,1 | 42 |
| **FOOTWEAR:** Antistatic properties (in dry condition) | MΩ | ≤ 1.000 | 185 |
| **UPPER:** Water vapour permeability | mg/cm2*h | ≥ 0,8 | 0,9 |
| **UPPER:** Water vapour coefficient | mg/cm2 | ≥ 15 | 15,1 |
| **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 | 92 |
| **OUTSOLE:** Energy absorption of seat region (E) | J | ≥ 20 | 28 |
| **OUTSOLE:** Flexural resistance | mm | ≤ 4 | 0 |
| **OUTSOLE:** Interlayer bond strength | N/mm | ≥ 4 | 4 |
| **OUTSOLE:** Resistance to fuel oil (FO) | % | ≤ 12 | 0 |

## ADDITIONAL FEATURES

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

## SOLE DESIGN AND PERFORMANCE



TRACTION · STABILITY · GRIP · BRAKING · SELF-CLEANING · LADDER GRIP

ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA

| 0 MINIMUM VALUE REQUIRED | 20 | TEST RESULT | 29 | 45% |
|---|---|---|---|---|

## 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.



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