

# TECHNICAL DATA SHEET

Name

**ELEFANTE S3 CI**

Code

**6839N S3 FO CI SR**

Product Range

**STRONG** ➔

Standard

S3 FO CI SR

EN ISO

20345:2022

Weight

790 grams  
(1 shoe in size 42)

Size range

35 <-> 50

Mondopoint

10,5

Packaging

6 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.



Corrosion-resistant steel plate integrated into the outsole, protecting the foot from penetration by foreign objects.



A special tanning process involving a polyurethane film application makes this genuine leather completely water-resistant, offering enhanced protection.



Crafted from 90% sheep wool and 10% synthetic materials, this lining offers durability, breathability, thermal insulation, and moisture absorption.



Removable insole that distributes weight evenly, adapts to foot morphology and has anti-static, antibacterial, and antifungal properties. A cushioned heel insert adds comfort.

### EXTRA



## SAFETY TECHNICAL SPECIFICATIONS

| Description   | Measurement Unit | Requirement | Test Result |
|---|------------------|-------------|-------------|
| <b>TOE CAP:</b> Impact resistance                         | mm               | ≥ 14        | 16,5        |
| <b>TOE CAP:</b> Compression resistance                    | mm               | ≥ 14        | 19          |
| <b>ANTI-PUNCTURE PLATE:</b> Penetration resistance        | N                | ≥ 1.100     | 1363        |
| <b>FOOTWEAR:</b> Antistatic properties (in wet condition) | MΩ               | ≥ 0,1       | 12          |
| <b>FOOTWEAR:</b> Antistatic properties (in dry condition) | MΩ               | ≤ 1.000     | 73          |
| <b>UPPER:</b> Water vapour permeability                   | mg/cm2*h         | ≥ 0,8       | 1,5         |
| <b>UPPER:</b> Water vapour coefficient                    | mg/cm2           | ≥ 15        | 19,2        |
| <b>UPPER:</b> Water penetration after 60 min              | g                | ≤ 0,2       | 0           |
| <b>UPPER:</b> Water absorption after 60 min               | %                | ≤ 30        | 2,2         |
| <b>INTERNAL LINING:</b> Water vapour permeability         | mg/(cm2*h)       | ≥ 2,0       | 68,2        |
| <b>INTERNAL LINING:</b> Water vapour coefficient          | mg/cm2           | ≥ 20        | 546         |
| <b>OUTSOLE:</b> Abrasion resistance                       | mm3              | ≤ 150       | 24          |
| <b>OUTSOLE:</b> Energy absorption of seat region (E)      | J                | ≥ 20        | 38          |
| <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        | 2,8         |

## ADDITIONAL FEATURES

| Test   | Measurement Unit | Requirement  | Results |
|--|------------------|--|---------|
| <b>Electrical resistance for ESD footwear</b><br><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><br><small>(temperature decrease on the upper surface of the insock)</small> | °C               | ≤ 10   | 5       |
| <b>Heat insulation of outsole complex (HI) 30min/150°C</b>   | °C               | ≤ 22   | -       |
| <b>Water resistance (WR)</b><br><small>(Total wetted area inside the footwear)</small>   | cm2              | after 80 min.  | -       |
| <b>Electric hazard resistance (EH) 18kV / 60 Hz</b><br><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



TRACTION STABILITY GRIP BRAKING SELF-CLEANING LADDER GRIP

ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA

0 MINIMUM VALUE REQUIRED 20 TEST RESULT 35 +75%

## INDUSTRIES

