



Class: S1P SRC  
 Sizes: 38-48  
 Instep: 12  
 Weight(±10%): **550 gr.** (\*)

## TECHNICAL SHEET ART. SATURN

**Description** Low shoe in black Microfiber with padded storm-cuff, High Tex inserts, 100% polyester lining, Non-Metallic HRP Insole, RELAX Insole, antistatic, breathable, mono density polyurethane sole with TPU inserts, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD.

**Suggested sectors of usage** Mechanical Industry, Logistic, Professional / Craftsman, Light jobs, Electronic.

**Care and Maintenance** clean periodically the outsole and the upper with non aggressive substances which could compromise quality, safety and durability of the shoe, do not dry close to direct heat source.



| Complete shoe                                                                                                                      | Norm                                          | Description                                               | Unit             | FTG result               | EN ISO 20345 requirements |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------|------------------|--------------------------|---------------------------|
| <b>Toe Cap:</b> Non-Metallic TOP COMPOSITE toe cap, impact resistant 200 J                                                         | 5.3.2.3                                       | Impact resistance                                         | mm               | 16,5                     | ≥ 14                      |
|                                                                                                                                    | 5.3.2.4                                       | Compression resistance                                    | mm               | 15,5                     | ≥ 14                      |
| <b>Midsole:</b> non metallic HRP Insole with high tenacity fibres multi layers, polyester composition, perforation resistant.      | 6.2.1.1                                       | Perforation resistance                                    | N                | 1.100                    | ≥ 1.100                   |
|                                                                                                                                    | 5.7.3                                         | Water absorption<br>Water desorption                      | Mg/Cm²           | No perf.<br>140<br>100%  | ≥ 70<br>≥ 80%             |
| <b>ESD footwear:</b> dissipation capacity of the electrostatic charge                                                              | EN ISO 61340 5-1:2016                         | Electrical resistance<br>CLASS 2                          | Mohm             | 46,7                     | < 100                     |
| <b>Capacity of Energy Absorption in the heel area</b>                                                                              | 6.2.4                                         | Energy absorption in the heel area                        | J                | 39                       | ≥ 20                      |
| <b>Upper:</b> Black Microfiber, High Tex inserts, black color                                                                      | 5.4.6                                         | Water vapour permeability                                 | mg/cm² h         | 2,0                      | ≥ 0,8                     |
|                                                                                                                                    | 5.4.3                                         | Coefficient of permeability<br>Tearing Strength           | mg/cm²<br>N      | 18,7<br>118              | ≥ 15<br>≥ 60              |
| <b>Vamp/Quarter Lining:</b> honeycomb 100% finished polyester, breathable, abrasion resistant, black colour + orange colour        | 5.5.3                                         | Water vapour permeability                                 | mg/cm² h         | 132,3                    | ≥ 2                       |
|                                                                                                                                    | 5.5.1                                         | Coefficient of permeability                               | mg/cm²           | 1058,7                   | ≥ 20                      |
|                                                                                                                                    |                                               | Tearing Strength                                          | N                | 43,5                     | ≥ 15                      |
|                                                                                                                                    | 5.5.2                                         | Abrasion resistance (dry)<br>Abrasion resistance (wet)    | cycles<br>cycles | no rupture<br>no rupture | 25.600<br>12.800          |
| <b>Sole:</b> mono density polyurethane with TPU inserts, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD | 5.8.2                                         | Tearing Strength                                          | kN/m             | 7,2                      | ≥ 5                       |
|                                                                                                                                    | 5.8.3                                         | Abrasion resistance (black)                               | mm³              | 125                      | ≤ 250                     |
|                                                                                                                                    | 5.8.4                                         | Bending resistance                                        | mm               | 0                        | ≤ 4                       |
|                                                                                                                                    | 5.8.5                                         | Hydrolysis                                                | mm               | 0                        | ≤ 6                       |
|                                                                                                                                    | 6.4.2                                         | Hydrocarbons resistance (volume increase)                 | %                | 2,8%                     | ≤ 12%                     |
|                                                                                                                                    | 5.11                                          | Slip resistance on ceramic floor with water and detergent | front            | 0,55                     | ≥ 0,32                    |
|                                                                                                                                    |                                               |                                                           | heel 7°          | 0,48                     | ≥ 0,28                    |
|                                                                                                                                    |                                               |                                                           | front            | 0,19                     | ≥ 0,18                    |
|                                                                                                                                    | Slip resistance on steel floor with glycerine | heel 7°                                                   | 0,13             | ≥ 0,13                   |                           |

In model SATURN and its components there is no presence of dangerous substances by Annex XVII to regulation no. 1907/2006/CE and subsequent amendments and additions

(\*) = Indicative weight that refers to ½ pair in size 42