



EN ISO 20345:2022

Class: S7S CI FO SR
 Sizes: 38-47
 Instep: 12
 Weight (±10%): **654 gr. (*)**

TECHNICAL SHEET ART. GALAXY

Description: high shoe in SAFETY-NUBUCK, with HIGH-TEX inserts, membrane lining, non-metallic HRP Insole, ATOMIC insole, anatomic, antistatic and breathable, double density polyurethane sole, bending resistant, abrasion resistant, oil resistant and slip resistant
Suggested sectors of usage: Building / Construction, Mechanical industry, Cold environment, Utilities, Cooperative society

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 | Results | EN ISO 20345 requirements |
|--|---------|---|------------------------|----------|---------------------------|
| Toe Cap: non-metallic toe cap TOP COMPOSITE, impact resistant 200 J | 5.3.2.6 | Impact resistance | mm | 17,0 | ≥ 14 |
| | 5.3.2.7 | Compression resistance | mm | 16,0 | ≥ 14 |
| Midsole: non-metallic HRP Insole with high tenacity fibres multi layers, polyester composition, perforation resistant | 6.2.1 | Perforation resistance (single value) | N | 1.189 | ≥ 950 |
| | | Average value | | 1.245 | ≥ 1.100 |
| Capacity of Energy Absorption in the heel area | 6.2.4 | Energy absorption in the heel area | J | 43 | ≥ 20 |
| Upper: SAFETY-NUBUCK, HIGH-TEX inserts, black color | 5.4.6 | Water vapour permeability | mg/cm ² · h | 6,8 | ≥ 0,8 |
| | | Water vapour coefficient | mg/cm ² | 55,9 | ≥ 15 |
| | 5.4.3 | Tear strength | N | 264 | ≥ 60 |
| | 6.3 | Water penetration and absorption (WRU) | g % | 0 7,7 | ≤ 0,2 ≤ 30 |
| Vamp/Quarter Lining: membrane lining, black colour + light blue colour | 5.5.4 | Water vapour permeability | mg/cm ² · h | 2,2 | ≥ 2,0 |
| | | Water vapour coefficient | mg/cm ² | 20,1 | ≥ 20 |
| | 5.5.2 | Tear strength | N | 84 | ≥ 15 |
| | 5.5.3 | Abrasion resistance (dry) | cycles | no holes | 25.600 |
| | | Abrasion resistance (wet) | cycles | no holes | 12.800 |
| Cold insulation: CI 30min. /-17°C | 6.2.3.2 | Temperature decrease on the upper surface of the insock | °C | 3,5° | ≤ 10° |
| Sole: double density polyurethane sole, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD | 5.8.3 | Tear strength | kN/m | 6,5 | ≥ 5 |
| | 5.8.4 | Abrasion resistance (black) | mm ³ | 67 | ≤ 250 |
| | 5.8.5 | Bending resistance | mm | 3 | ≤ 4 |
| | 5.8.6 | Hydrolysis | mm | 0 | ≤ 6 |
| | 6.4.2 | Hydrocarbons resistance (volume increase) | % | 3,4% | ≤ 12 |
| | 6.2.10 | Slip resistance on ceramic glycerine (SR) | heel forward (7°) | 0,22 | ≥ 0,22 |
| | | | tip back (7°) | 0,22 | ≥ 0,19 |

In model GALAXY 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