FTG safety shoes

DGUV 112-191 ZERTIFIZIERT NACH

Class: S1P SRC
Sizes: 36-48
Instep: 12
Weight(±10%): **580 gr**. (*)

# TECHNICAL SHEET ART. ASTEROID

**Description** High shoe in grey suede leather 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.
**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 |
|---|---|---|---|---|---|
| **Toe Cap**: 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 |
| **Midsole:** non metallic HRP Insole with high tenacity fibres multi layers, polyester composition, perforation resistant. | 6.2.1.1 | Perforation resistance | N | 1.100<br>No perf. | ≥ 1.100 |
| | 5.7.3 | Water absorption | Mg/Cm$^2$ | 140 | ≥ 70 |
| | | Water desorption | | 100% | ≥ 80% |
| **ESD footwear**: dissipation capacity of the electrostatic charge | EN ISO 61340 5-1:2016 | Electrical resistance CLASS 2 | Mohm | 46,7 | < 100 |
| **Capacity of Energy Absorption in the heel area** | 6.2.4 | Energy absorption in the heel area | J | 39 | ≥ 20 |
| **Upper**: Black Microfiber, High Tex inserts, black color | 5.4.6 | Water vapour permeability | mg/cm$^2$ h | 2,0 | ≥ 0,8 |
| | | Coefficient of permeability | mg/cm$^2$ | 18,7 | ≥ 15 |
| | 5.4.3 | Tearing Strength | N | 118 | ≥ 60 |
| **Vamp/Quarter Lining**: honeycomb 100% finished polyester, breathable, abrasion resistant, black colour + orange colour | 5.5.3 | Water vapour permeability | mg/cm$^2$ h | 132,3 | ≥ 2 |
| | | Coefficient of permeability | mg/cm$^2$ | 1058,7 | ≥ 20 |
| | 5.5.1 | Tearing Strength | N | 43,5 | ≥ 15 |
| | 5.5.2 | Abrasion resistance (dry) | cycles | no rupture | 25.600 |
| | | Abrasion resistance (wet) | cycles | no rupture | 12.800 |
| **Sole**: 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) | mm$^3$ | 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 |
| | | Slip resistance on steel floor with glycerine | front | 0,19 | ≥ 0,18 |
| | | | heel 7° | 0,13 | ≥ 0,13 |

In model ASTEROID 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