# TECHNICAL SHEET ART. EOLO

Class:
EN ISO 20345:2011
S3 HRO CI WR SRC
Sizes: 38-48
Instep: 12
Weight(±10%): 663 gr. (*)

**Description** High shoe in Eco Leather, black color, FTG WATER-STOP MEMBRANE lining, non-metallic insole lining HRP INSOLE , THERMO-PLUS insole with high thermal isolation, bi-component sole (rubber-polyurethane) abrasion resistant, oil resistant, antistatic and heat resistant , with the "little pad" SOFT WALK inside.
**Plus** toe protection PRO CAP
**Suggested sectors of usage** Chemistry/Food , Building/Costruction, Utilities, Mechanical Industry, Farming/Zootechnics, Petrochemical Industry, Naval Industry, Cold Enviroment, Mineral Industry/Mining
**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 requirement |
|---|---|---|---|---|---|
| **Toe cap**: Top Composite toe cap, impact resistant 200 J | 5.3.2.3 | Impact resistance | mm | 15,0 | >= 14 |
| | 5.3.2.4 | Compression resistance | mm | 15,0 | >= 14 |
| **Midsole:** non metallic HRP Insole with high tenacity fibers layers, ceramized and treated with plasma | 6.2.1.1 | Perforation resistance | N | 1.100 | >= 1.100 |
| **Antistatic footwear**: dissipation capacity of the electrostatic charge | 6.2.2.2 | Electric resistance | | | |
| | | - Wet | Mohm | 76,8 | >= 0,1 |
| | | - Dry | Mohm | 243 | <= 1000 |
| **Capacity of energy absorption in the heel area** | 6.2.4 | Energy absorption in the heel area | J | 34,0 | >= 20 |
| **Upper**: Eco Leather, black colour, thickness 2,0 mm | 5.4.6 | Water vapour permeability | mg/cmq h | 1,8 | >= 0,8 |
| | | Coefficient of permeability | mg/cmq | 17,2 | >= 15 |
| | 5.4.3 | Tearing Strength | N | 90 | >= 60 |
| **Vamp lining**: membrane lining , grey color | 5.5.3 | Water vapour permeability | mg/cmq h | 4,5 | >= 2 |
| | | Coefficient of permeability | mg/cmq | 37,2 | >= 20 |
| | 5.5.1 | Tearing Strength | N | 73 | >= 15 |
| | 5.5.2 | Abrasion resistance (dry) | cycles | no rupture | 51.200 |
| | | Abrasion resistance (wet) | cycles | no rupture | 25.600 |
| **Quarter lining**: membrane lining , grey color | 5.5.3 | Water vapour permeability | mg/cmq h | 4,5 | >= 2 |
| | | Coefficient of permeability | mg/cmq | 37,2 | >= 20 |
| | 5.5.1 | Tearing Strength | N | 73 | >= 15 |
| | 5.5.2 | Abrasion resistance (dry) | cycles | no rupture | 51.200 |
| | | Abrasion resistance (wet) | cycles | no rupture | 25.600 |
| **Insole lining**: textile anti perforation midsole HRP Insole | 5.7.3 | Water Absorption | $Mg/cm^2$ | 78 | >= 70 |
| | | Ability to release water | | 99% | >= 80% |
| **Sole**: nitril rubber outsole applied to a polyurethane midsole with low density and completely injected; abrasion resistant, oil resistant, insulating and heat resistant | 5.8.2 | Tearing Strength | kN/m | 8,4 | >= 8 |
| | 5.8.3 | Abrasion resistance | $mm^3$ | 137 | <= 150 |
| | 5.8.4 | Bending resistance | mm | 2,0 | <= 4 |
| | 6.4.2 | Hydrocarbons resistance (volume increase) | % | 5,0% | <= 12% |
| | 5.11 | Slip resistance on ceramic floor with water and detergent | flat | 0,45 | >= 0,32 |
| | | | inclined | 0,32 | >= 0,28 |
| | | Slip resistance on steel floor with glycerine | flat | 0,22 | >= 0,18 |
| | | | inclined | 0,13 | >= 0,13 |

Eolo style and its components: no presence of dangerous substances by Annex VII to regulation no. 1907/2006/CE and subsequent amendments and additions
(*) = Indicative weight that refers to ½ pair in size 42