

TECHNICAL SHEET ART. DIANA

Description High shoe in smooth grain leather, black color, 100% polyester lining, non-metallic insole lining HRP INSOLE Insulating, Light & Soft insole insulating and breathable, bi-component sole (rubber-polyurethane) abrasion resistant, oil resistant, insulating and heat resistant.

Suggested sectors of usage Steel industry/foundries, mechanical industry, petrochemical industry, oil & gas industry, professional/craftsman.

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



Class:
EN ISO 20345:2011
SB-E-WRU-P-HI
FO-HRO-SRC
Sizes: 38-48
Instep: 12
Weight(±10%): 611 gr. (*)

Complete shoe

| | Norm | Description | Unit | FTG result | EN ISO 20345 requirement |
|---|---------|---|--------------------|------------|--------------------------|
| Toe cap: Top Composite toe cap, impact resistant 200 J and compression resistance to 15KN | 5.3.2.3 | Impact resistance | mm | 14,5 | >= 14 |
| | 5.3.2.4 | Compression resistance | mm | 14,0 | >= 14 |
| Insulating Midsole: non metallic HRP Insole with high tenacity fibres layers, ceramized and treated with plasma | 6.2.1.1 | Perforation resistance | N | 1.100 | >= 1.100 |
| Capacity of energy absorption in the heel area | 6.2.4 | Energy absorption in the heel area | J | 38,0 | >= 20 |
| Upper: smooth grain leather, black colour, thickness 2,0 mm | 5.4.6 | Water vapour permeability | mg/cmq h | 1,0 | >= 0,8 |
| | | Coefficient of permeability | mg/cmq | 16,8 | >= 15 |
| | 5.4.3 | Tearing Strength | N | 199 | >= 120 |
| Vamp lining: non woven textile for toe cap, grey color | 5.5.3 | Water vapour permeability | mg/cmq h | 3,4 | >= 2 |
| | | Coefficient of permeability | mg/cmq | 30,2 | >= 20 |
| | 5.5.1 | Tearing Strength | N | 30 | >= 15 |
| | 5.5.2 | Abrasion resistance (dry) | cycles | no rupture | 25.600 |
| | | Abrasion resistance (wet) | cycles | no rupture | 12.800 |
| Quarter lining: 100% honeycomb finished polyester, breathable, abrasion resistant, light grey color | 5.5.3 | Water vapour permeability | mg/cmq h | 6,8 | >= 2 |
| | | Coefficient of permeability | mg/cmq | 54,4 | >= 20 |
| | 5.5.1 | Tearing Strength | N | 25 | >= 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 Insulating | 5.7.3 | Water Absorption | Mg/cm ² | 82 | >= 70 |
| | | Ability to release water | | 97% | >= 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% |
| | 6.4.1 | Resistance to hot temperature | Grades/min | No damage | 300°/1min |
| | 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 | |

Electric insulation law CSA Z195-14 :

current after 1 min. at 18 kVrms size 42 = at voltage of 18 kVrms the footwear shows no signs of perforation (result: <1 mA)