

LUVOTECH® eco PC/ABS T88 GF10 BK

LEHVOSS Group - Polycarbonate + ABS

General Information
Product Description

with glass fibers; black

Main Features

- Impact resistance.

General

| | |
|------------------------|---|
| Material Status | • Commercial: Active |
| Availability | • Africa & Middle East • Europe • North America • Asia Pacific • Latin America |
| Filler / Reinforcement | • Glass Fiber |
| Features | • Good Impact Resistance |
| Appearance | • Black |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|------------------------|---------------|
| Density | 1.18 | g/cm ³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (260°C/5.0 kg) | 18 | cm ³ /10min | ISO 1133 |
| Water Absorption (24 hr, 73°F) | < 0.20 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 624000 | psi | ISO 527-1/1 |
| Tensile Stress | 9720 | psi | ISO 527-2 |
| Tensile Strain (Yield) | 2.7 | % | ISO 527-2/50 |
| Flexural Modulus ² | 566000 | psi | ISO 178 |
| Flexural Stress ³ | 16700 | psi | ISO 178 |
| Flexural Strain - (Yield) ⁴ | 3.3 | % | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 3.3 | ft·lb/in ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | 13 | ft·lb/in ² | ISO 179/1eU |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | > 1.0E+12 | ohms | IEC 62631-3-2 |
| Insulation Resistance ⁵ | > 1.0E+12 | ohms | IEC 62631-3-3 |

Processing Information

| Injection | Nominal Value | Unit |
|---|---------------|------|
| Drying Temperature - Desiccant Dryer, A | 158 to 212 | °F |
| Drying Time - Desiccant Dryer, A | 3.0 to 5.0 | hr |
| Rear Temperature | 410 to 482 | °F |
| Middle Temperature | 428 to 500 | °F |
| Front Temperature | 446 to 518 | °F |
| Nozzle Temperature | 464 to 536 | °F |
| Mold Temperature | 122 to 212 | °F |

Injection Notes

During processing, the moisture level should not exceed 0.01%, otherwise molecular degradation may occur. As the material absorbs water very quickly, the predried material should be fed to the processing immediately. The processing notes provided merely represent a recommendation for general use. Due to the large variety of machines, geometries and volumes of parts, etc., it may be necessary to employ different settings according to the specific application. Please contact us for further information.

