

Titacon® GB910L

Acetal (POM) Copolymer

Titan Plastics Compounds Co., Ltd.

Message:

Titacon®GB910L is a polyoxymethylene (POM) copolymer material, which contains 10% glass beads. This product is available in the Asia-Pacific region.

Titacon®The main features of GB910L are:

- flame retardant/rated flame
- anti-warping
- Lubrication

| General Information | | | |
|--|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass beads, 10% filler by weight | | |
| Additive | Lubricant | | |
| Features | Low warpage | | |
| | Lubrication | | |
| Appearance | Natural color | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.48 | g/cm ³ | ISO 1183 |
| Molding Shrinkage ¹ (3.00 mm) | 1.2 - 1.8 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 52.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | > 35 | % | ISO 527-2 |
| Flexural Modulus | 3000 | MPa | ISO 178 |
| Flexural Stress | 82.0 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 5.0 | kJ/m ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 100 | °C | ISO 75-2/A |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 5.0E+15 | ohms | IEC 60093 |
| Volume Resistivity | 5.0E+14 | ohms · cm | IEC 60093 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 100 | °C | |
| Drying Time | 3.0 | hr | |
| Processing (Melt) Temp | 170 - 200 | °C | |
| Mold Temperature | 60.0 - 100 | °C | |
| Injection instructions | | | |
| Injection Pressure: 30 to 70%Injection Velocity: 20 to 50% | | | |

NOTE

1. 50x70x3 mm

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