

Titacon® GF925TF10

Acetal (POM) Copolymer

Titan Plastics Compounds Co., Ltd.

Message:

Titacon®GF925TF10 is a polyoxymethylene (POM) copolymer material, and its filler is 25% glass fiber reinforced material. This product is available in the Asia-Pacific region.

Titacon®The main features of the GF925TF10 are:

- flame retardant/rated flame
- High stiffness
- high strength
- Good dimensional stability
- Wear-resistant

| General Information | | | |
|---|---|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material, 25% filler by weight | | |
| Additive | PTFE lubricant (10%) | | |
| Features | Good dimensional stability | | |
| | Rigidity, high | | |
| | High strength | | |
| | Good wear resistance | | |
| Appearance | Natural color | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.64 | g/cm ³ | ISO 1183 |
| Molding Shrinkage ¹ (3.00 mm) | 0.40 - 1.0 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 120 | MPa | ISO 527-2 |
| Tensile Strain (Break) | > 3.0 | % | ISO 527-2 |
| Flexural Modulus | 7000 | MPa | ISO 178 |
| Flexural Stress | 180 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 4.5 | kJ/m ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 140 | °C | ISO 75-2/A |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+15 | ohms | IEC 60093 |
| Volume Resistivity | 1.0E+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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