

Plastcom SLOVASTER® B GF 40 PBT reinforced with 40% glass fibre

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 40% Glass Fiber Filled

Material Notes:

Features: PBT for injection moulding, chemically reinforced with 40% glass fibre. Characterised by excellent properties also at minus temperatures like eg. modulus of elasticity in tension and bending, tensile strength, toughness. Does not absorb water, that means that identical properties are maintained also in wet environment. Melt is characterised by very good rheology, which enables manufacturing of extremely multiple products with complicated downflow-path. Anisotropy of shrinkage is much better in comparison with PA, what influences the manufacturing of round, cylindric or other hole products. Application in the automotive, electrical and engineering industry - connectors of cable harnesses, car-door locks, connection links, grips etc. Delivered in natural mode and in the full RAL colour scale. Packaging, transport, stocking: The product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVASTER-B-GF-40-PBT-reinforced-with-40-glass-fibre.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--|--|----------|
| Density | 1.63 g/cc | 0.0589 lb/in ³ | |
| Viscosity Measurement | 97 | 97 | |
| Linear Mold Shrinkage | 0.0061 cm/cm | 0.0061 in/in | |
| Linear Mold Shrinkage, Transverse | 0.0067 cm/cm | 0.0067 in/in | |
| Melt Flow | 5.0 g/10 min @Load 2.16 kg, Temperature 250 °C | 5.0 g/10 min @Load 4.76 lb, Temperature 482 °F | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--|--|----------|
| Tensile Strength at Break | 155 MPa | 22500 psi | |
| Elongation at Break | 2.0 % | 2.0 % | |
| Tensile Modulus | 11.5 GPa | 1670 ksi | |
| Flexural Strength | 220 MPa | 31900 psi | |
| Flexural Modulus | 8.50 GPa | 1230 ksi | |
| Charpy Impact Unnotched | 6.50 J/cm ² @Temperature 23.0 °C | 30.9 ft-lb/in ² @Temperature 73.4 °F | |

| Mechanical Properties | 6.50 J/cm ² Metric | 30.9 ft-lb/in ² English | Comments |
|------------------------|----------------------------------|---------------------------------------|----------|
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| Charpy Impact, Notched | 1.10 J/cm ² | 5.23 ft-lb/in ² | |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| | 1.20 J/cm ² | 5.71 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|----------|
| Melting Point | 224 °C | 435 °F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 210 °C | 410 °F | |
| Vicat Softening Point | 215 °C | 419 °F | |
| Flammability Test | 1.0 | 1.0 | |
| Glow Wire Test | 750 °C | 1380 °F | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|-----------------|-----------------|----------|
| Volume Resistivity | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | |
| Surface Resistance | 1.00e+15 ohm | 1.00e+15 ohm | |
| Dielectric Strength | 33.0 kV/mm | 838 kV/in | |
| Comparative Tracking Index | 500 V | 500 V | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|------------------|----------|
| Melt Temperature | 250 - 270 °C | 482 - 518 °F | |
| Mold Temperature | 70.0 - 90.0 °C | 158 - 194 °F | |
| Drying Temperature | 120 °C | 248 °F | |
| Dry Time | 4 hour | 4 hour | |
| Moisture Content | 0.050 % | 0.050 % | |
| Injection Pressure | 60.0 - 100 MPa | 8700 - 14500 psi | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China