

PTS PBT-6630 30% Glass Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

PBT6630 is an injection molding grade, with 30% glass fiber reinforced, high heat stability, and electrical properties, easy to process. It is widely used in automotive, home appliance, Electrical industry, such as connector, gear housing, and other structural parts. Information provided by PTS LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-PBT-6630-30-Glass-Filled.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------------------------|--------------------------------------|----------|
| Specific Gravity | 1.53 g/cc | 1.53 g/cc | ISO 1183 |
| Melt Flow | 13 g/10 min | 13 g/10 min | ISO 1133 |
| | @Load 2.16 kg, Temperature 250 °C | @Load 4.76 lb, Temperature 482 °F | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|--------------|
| Tensile Strength at Break | 123 MPa | 17800 psi | ISO 527-2/1 |
| Elongation at Break | 3.1 % | 3.1 % | ISO 527-2/1 |
| Tensile Modulus | 9.01 GPa | 1310 ksi | ISO 527-2/1A |
| Flexural Strength | 189 MPa | 27400 psi | ISO 178 |
| Flexural Modulus | 9.25 GPa | 1340 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 7.50 kJ/m ² | 3.57 ft-lb/in ² | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|----------------------|-------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 202 °C | 396 °F | ISO 75-1/-2 |
| Flammability, UL94 | HB | HB | |
| | @Thickness 1.60 mm | @Thickness 0.0630 in | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|--------------|----------|
| Nozzle Temperature | 240 - 260 °C | 464 - 500 °F | |
| Melt Temperature | 230 - 260 °C | 446 - 500 °F | |
| Mold Temperature | 60.0 - 90.0 °C | 140 - 194 °F | |
| Drying Temperature | 120 - 140 °C | 248 - 284 °F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|-------------------|----------------|----------|
| Back Pressure | 0.300 - 0.700 MPa | 43.5 - 102 psi | |

| Descriptive Properties | Value | Comments |
|------------------------|-------------|----------|
| Processing Screw Speed | Medium-Fast | |

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