

SILVER® PBT123G20

Polybutylene Terephthalate

Guangdong Silver Age Sci & Tech. Co., Ltd

Message:

SILVER® Modified PBT/PET is applied to many fields, such as electronic facility crust, OA equipment and fittings, lamps and lanterns. In addition, the custom—made products should be developed by buyers ‘ requirements in order to meet special usage.

Glass Fiber Reinforced PBT

Characteristics:

excellent strength, high rigidity, good cosmetic

Applications:

printer, loop framework, relay, pump crust,lamp holder

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,20% Filler by Weight | | |
| Features | High Rigidity | | |
| | High Strength | | |
| Uses | Lighting Applications | | |
| | Lighting Fixtures | | |
| | Printer | | |
| | Pump Parts | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.45 | g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | 100 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 4.0 | % | ASTM D638 |
| Flexural Modulus ³ | 6000 | MPa | ASTM D790 |
| Flexural Strength ⁴ | 150 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (Area) (23°C) | 6.00 | kJ/m ² | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 200 | °C | ASTM D648 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 220 to 240 | °C | |
| NOTE | | | |
| 1. | 10 mm/min | | |
| 2. | 10 mm/min | | |

| | |
|----|------------|
| 3. | 5.5 mm/min |
| 4. | 5.5 mm/min |

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