

Plastcom SLOVASTYR® B BT N PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Regranulate PBT basic type for injection molding. Melt is characterized by very good fluidity, which enables injection molding of complicated and divided products also on multiple moulds. Anisotropy of shrinkage enables injection molding of round, cylindrical or other hole products. Delivered in natural color. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVASTYR-B-BT-N-PBT.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-------------------|
| Density | 1.31 g/cc | 0.0473 lb/in ³ | STN EN ISO 1183-1 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------------------|-----------------------------|------------------|
| Tensile Strength at Break | 50.0 MPa | 7250 psi | STN EN ISO 527-2 |
| Tensile Modulus | 2.00 GPa | 290 ksi | STN EN ISO 527-2 |
| Flexural Strength | 85.0 MPa | 12300 psi | STN EN ISO 178 |
| Flexural Modulus | 2.00 GPa | 290 ksi | STN EN ISO 178 |
| Charpy Impact Unnotched | 2.50 J/cm ² | 11.9 ft-lb/in ² | STN EN ISO 179 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact Unnotched | 2.50 J/cm ² | 11.9 ft-lb/in ² | STN EN ISO 179 |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| Charpy Impact, Notched | 0.200 J/cm ² | 0.952 ft-lb/in ² | STN EN ISO 179 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.200 J/cm ² | 0.952 ft-lb/in ² | STN EN ISO 179 |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------|--------------|----------------|
| Melting Point | 200 - 220 °C | 392 - 428 °F | STN EN 11357-1 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|--------------|----------|
| Melt Temperature | 250 - 270 °C | 482 - 518 °F | |
| Mold Temperature | 50.0 - 80.0 °C | 122 - 176 °F | |
| | 120 °C | 248 °F | |

| Processing Properties | Metric | English | Comments |
|------------------------------|------------------|------------------|-----------------|
| | @ Time 14400 sec | @ Time 4.00 hour | |
| Moisture Content | 0.15 % | 0.15 % | STN EN ISO 3344 |
| Injection Pressure | 60.0 - 100 MPa | 8700 - 14500 psi | |

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