

Plastcom PLASTALEN® PH 69 GF 30 Polypropylene reinforced with glass fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

Modified homopolymer PP for injection molding, reinforced with 30% glass fiber. Applied in all industry branches. Delivered in natural mode and in the full RAL color scale. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTALEN-PH-69-GF-30-Polypropylene-reinforced-with-glass-fiber.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--|--|-------------------|
| Density | 1.14 g/cc | 0.0412 lb/in ³ | STN EN ISO 1183-1 |
| Filler Content | 30 % | 30 % | |
| Linear Mold Shrinkage | 0.012 cm/cm | 0.012 in/in | STN EN ISO 294-4 |
| Linear Mold Shrinkage, Transverse | 0.016 cm/cm | 0.016 in/in | STN EN ISO 294-4 |
| Melt Flow | 6.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 6.0 g/10 min @Load 4.76 lb, Temperature 446 °F | STN EN ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--|---|------------------|
| Tensile Strength at Break | 80.0 MPa | 11600 psi | STN EN ISO 527-2 |
| Elongation at Break | 3.5 % | 3.5 % | STN EN ISO 527-2 |
| Tensile Modulus | 6.70 GPa | 972 ksi | STN EN ISO 527-2 |
| Flexural Strength | 115 MPa | 16700 psi | STN EN ISO 178 |
| Flexural Modulus | 4.80 GPa | 696 ksi | STN EN ISO 178 |
| Charpy Impact Unnotched | 3.50 J/cm ² @Temperature -20.0 °C | 16.7 ft-lb/in ² @Temperature -4.00 °F | STN EN ISO 179 |
| | 4.00 J/cm ² @Temperature 23.0 °C | 19.0 ft-lb/in ² @Temperature 73.4 °F | STN EN ISO 179 |
| Charpy Impact, Notched | 0.700 J/cm ² @Temperature -20.0 °C | 3.33 ft-lb/in ² @Temperature -4.00 °F | STN EN ISO 179 |
| | 0.900 J/cm ² @Temperature 23.0 °C | 4.28 ft-lb/in ² @Temperature 73.4 °F | STN EN ISO 179 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|---------------------|
| Melting Point | 160 °C | 320 °F | STN EN 11357-1 |
| Deflection Temperature at 1.8 MPa (264 psi) | 135 °C | 275 °F | STN EN ISO 75-2 (A) |
| Vicat Softening Point | 140 °C | 284 °F | STN EN ISO 306 |
| Flammability, UL94 | HB | HB | |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------------------|---------------------------|-----------------|
| Melt Temperature | 220 - 260 °C | 428 - 500 °F | |
| Mold Temperature | 30.0 - 80.0 °C | 86.0 - 176 °F | |
| Drying Temperature | 80.0 °C @Time 7200 sec | 176 °F @Time 2.00 hour | |
| Moisture Content | 0.10 % | 0.10 % | STN EN ISO 3344 |
| Injection Pressure | 60.0 - 90.0 MPa | 8700 - 13100 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