

Polykemi AB POLYfill PPC GF5020 PB Polypropylene Copolymer, Glass Fiber Reinforced, Chemically Coupled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene with 20% Glass Fiber Filler

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PPC-GF5020-PB-Polypropylene-Copolymer-Glass-Fiber-Reinforced-Chemically-Coupled.php

| Physical Properties | Metric | English | Comments |
|------------------------|--|--|---------------|
| Density | 1.05 g/cc | 0.0379 lb/in ³ | ISO 1183 |
| Filler Content | 20 % | 20 % | ±2%; Polykemi |
| Melt Index of Compound | 5.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 5.0 g/10 min @Load 4.76 lb, Temperature 446 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|------------------------|---|--|----------|
| Elongation at Yield | 6.0 % | 6.0 % | ISO/R527 |
| Flexural Modulus | 3.00 GPa @Temperature 23.0 °C | 435 ksi @Temperature 73.4 °F | ISO 178 |
| Charpy Impact, Notched | 0.700 J/cm ² @Temperature 23.0 °C | 3.33 ft-lb/in ² @Temperature 73.4 °F | ISO 179 |

| Thermal Properties | Metric | English | Comments |
|--------------------|------------------------------|---------------------------------|-------------|
| Flammability, UL94 | HB @Thickness 1.60 mm | HB @Thickness 0.0630 in | |
| Glow Wire Test | 750 °C @Thickness 2.00 mm | 1380 °F @Thickness 0.0787 in | IEC 695-2-1 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|--------------|------------------------|
| Melt Temperature | 205 - 260 °C | 401 - 500 °F | |
| Mold Temperature | 40.0 - 80.0 °C | 104 - 176 °F | |
| Drying Temperature | 70.0 - 80.0 °C | 158 - 176 °F | |
| Dry Time | 2 - 4 hour | 2 - 4 hour | in desiccant air dryer |

| Processing Properties | 2 - 4 hour Metric | 2 - 4 hour English | is circulation dryer Comments |
|-----------------------|----------------------|-----------------------|----------------------------------|
| Injection Pressure | 40.0 - 110 MPa | 5800 - 16000 psi | |
| Back Pressure | 1.00 - 2.00 MPa | 145 - 290 psi | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|-------------------------|
| Holding Pressure () | 20-40 | % of injection pressure |
| Injection Speed () | High | |

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