

Polykemi AB SCANMID 6 B/C12^ F30 Nylon 6, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-BC12-F30-Nylon-6-Glass-Fiber-Reinforced.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|-----------------------|
| Density | 1.36 g/cc | 0.0491 lb/in ³ | ISO 1183 |
| Filler Content | 30 % | 30 % | ±2%; Polykemi |
| Linear Mold Shrinkage | 0.0030 cm/cm | 0.0030 in/in | With Flow; ISO 2577 |
| | 0.010 cm/cm | 0.010 in/in | Across Flow; ISO 2577 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--|--|----------|
| Tensile Strength at Break | <= 160 MPa | <= 23200 psi | ISO/R527 |
| Flexural Strength | <= 225 MPa | <= 32600 psi | ISO 178 |
| Flexural Modulus | 8.50 GPa @Temperature 23.0 °C | 1230 ksi @Temperature 73.4 °F | ISO 178 |
| Charpy Impact, Notched | 1.00 J/cm ² @Temperature 23.0 °C | 4.76 ft-lb/in ² @Temperature 73.4 °F | ISO 179 |

| Thermal Properties | Metric | English | Comments |
|---|------------------------------|---------------------------------|-------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 210 °C | 410 °F | 120°C/h; ISO 75/1 |
| Deflection Temperature at 1.8 MPa (264 psi) | 200 °C | 392 °F | 120°C/h; ISO 75/1 |
| Vicat Softening Point | >= 195 °C @Load 5.001 kg | >= 383 °F @Load 11.03 lb | 50°C/h; ISO 306 |
| Flammability, UL94 | HB @Thickness 1.60 mm | HB @Thickness 0.0630 in | |
| Glow Wire Test | 650 °C @Thickness 2.00 mm | 1200 °F @Thickness 0.0787 in | IEC 695-2-1 |

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