

Polykemi AB POLYfill PP HJ752 UV2 Polypropylene/Elastomer, Mineral Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PP-HJ752-UV2-PolypropyleneElastomer-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Filler Content	15 %	15 %	±2%; Polykemi
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	Across Flow; ISO 2577
	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	With Flow; ISO 2577
Melt Index of Compound	14 g/10 min	14 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 22.0 MPa	<= 3190 psi	ISO/R527
Flexural Strength	<= 32.0 MPa	<= 4640 psi	ISO 178
Flexural Modulus	1.90 GPa	276 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	NB	NB	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 - 65.0 µm/m-°C	30.6 - 36.1 µin/in-°F	Polykemi

Thermal Properties <small>Deflection Temperature at 0.46 MPa (66 psi)</small>	Metric	English	Comments ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °F	120°C/h; ISO 75/1

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 °C	446 - 482 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	
Injection Pressure	40.0 - 80.0 MPa	5800 - 11600 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