

Polykemi AB POLYfill PPH 30030DNH Polypropylene Homopolymer, Flame Retardant, Halogen Free

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYfill-PPH-30030DNH-Polypropylene-Homopolymer-Flame-Retardant-Halogen-Free.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Melt Index of Compound	30 g/10 min @Load 2.16 kg, Temperature 230 °C	30 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 25.0 MPa	<= 3630 psi	ISO/R527
Elongation at Yield	5.5 %	5.5 %	ISO/R527
Flexural Strength	<= 45.0 MPa	<= 6530 psi	ISO 178
Flexural Modulus	2.00 GPa @Temperature 23.0 °C	290 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.150 J/cm ² @Temperature -20.0 °C	0.714 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	0.250 J/cm ² @Temperature 23.0 °C	1.19 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	120°C/h; ISO 75/1
Vicat Softening Point	98.0 °C @Load 5.001 kg	208 °F @Load 11.03 lb	50°C/h; ISO 306
	150 °C @Load 1.00 kg	302 °F @Load 2.21 lb	50°C/h; ISO 306

Thermal Properties Flammability, UL 94	V-n Metric	V-n English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	960 °C	1760 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	
Mold Temperature	20.0 - 50.0 °C	68.0 - 122 °F	
Drying Temperature	70.0 - 80.0 °C	158 - 176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	in circulation dryer
	2 - 4 hour	2 - 4 hour	in desiccant air dryer
Injection Pressure	40.0 - 110 MPa	5800 - 16000 psi	
Back Pressure	0.500 - 1.00 MPa	72.5 - 145 psi	

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

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