

Polykemi AB SCANFILL Injection CPC15051 PP/PE, Mineral Reinforced

Category : Polymer , Thermoplastic , Polyethylene (PE) , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANFILL-Injection-CPC15051-PPPE-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Filler Content	51 %	51 %	±2%; Polykemi
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	With Flow; ISO 2577
	0.011 cm/cm	0.011 in/in	Across Flow; ISO 2577
Melt Index of Compound	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 17.0 MPa	<= 2470 psi	ISO/R527
Elongation at Yield	2.0 %	2.0 %	ISO/R527
Flexural Strength	<= 35.0 MPa	<= 5080 psi	ISO 178
Flexural Modulus	3.40 GPa	493 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	120°C/h; ISO 75/1
Vicat Softening Point	86.0 °C	187 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
	151 °C	304 °F	50°C/h; ISO 306
	@Load 1.00 kg	@Load 2.21 lb	

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