

Polykemi AB SCANCOMP PP BN140 T5 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANCOMP-PP-BN140-T5-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	Across Flow; ISO 2577
	0.015 cm/cm	0.015 in/in	With Flow; ISO 2577
Melt Index of Compound	14 g/10 min @Load 2.16 kg, Temperature 230 °C	14 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 35.0 MPa	<= 5080 psi	ISO/R527
Flexural Strength	<= 60.0 MPa	<= 8700 psi	ISO 178
Flexural Modulus	2.50 GPa @Temperature 23.0 °C	363 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	4.80 J/cm ² @Temperature 23.0 °C	22.8 ft-lb/in ² @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	0.150 J/cm ² @Temperature -20.0 °C	0.714 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	0.450 J/cm ² @Temperature 23.0 °C	2.14 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	120°C/h; ISO 75/1
Vicat Softening Point	94.0 °C @Load 5.001 kg	201 °F @Load 11.03 lb	50°C/h; ISO 306

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 3.20 mm	@Thickness 0.126 in	

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