

Polykemi AB SCANBLEND FS8 UV4 PC/ASA, Improved Weather Resistance

Category : Polymer , Thermoplastic , ASA Polymer , Polycarbonate (PC) , Polycarbonate/ASA Alloy, Unreinforced

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANBLEND-FS8-UV4-PCASA-Improved-Weather-Resistance.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	With Flow; ISO 2577
	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	Across Flow; ISO 2577
Melt Index of Compound	20 g/10 min @Load 5.00 kg, Temperature 260 °C	20 g/10 min @Load 11.0 lb, Temperature 500 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 50.0 MPa	<= 7250 psi	ISO/R527
Elongation at Yield	7.0 %	7.0 %	ISO/R527
Flexural Strength	<= 85.0 MPa	<= 12300 psi	ISO 178
Flexural Modulus	2.50 GPa @Temperature 23.0 °C	363 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	132 °C	270 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	122 °C	252 °F	120°C/h; ISO 75/1
Vicat Softening Point	134 °C @Load 5.001 kg	273 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	650 °C	1200 °F	

Glow Wire Test Thermal Properties	Metric @ Thickness 2.00 mm	English @ Thickness 0.0787 in	IEC 695-2-1 Comments
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