

Polykemi AB SCANBLEND FS7 FR UV PC/ASA Blend, Flame-Retardant, UV Stabilized

Category : Polymer , Thermoplastic , ASA Polymer , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant , 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-FS7-FR-UV-PCASA-Blend-Flame-Retardant-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 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	35 g/10 min @Load 5.00 kg, Temperature 260 °C	35 g/10 min @Load 11.0 lb, Temperature 500 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 45.0 MPa	<= 6530 psi	ISO/R527
Elongation at Yield	6.0 %	6.0 %	ISO/R527
Flexural Strength	<= 80.0 MPa	<= 11600 psi	ISO 178
Flexural Modulus	2.40 GPa @Temperature 23.0 °C	348 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	3.50 J/cm ² @Temperature -20.0 °C	16.7 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	4.00 J/cm ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	120°C/h; ISO 75/1
Vicat Softening Point	120 °C @Load 5.001 kg	248 °F @Load 11.03 lb	50°C/h; ISO 306

Thermal Properties	Metric	English	Comments
	@Load 1.00 kg	@Load 2.21 lb	50 °C/min, ISO 500
Flammability, UL94	V-0	V-0	
	@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	

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