

Polykemi AB POLYblend 6005B UV PC/ABS-Blend

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

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYblend-6005B-UV-PCABS-Blend.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	With Flow; ISO 2577
	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	Across Flow; ISO 2577
Melt Index of Compound	14 g/10 min	14 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 240 °C	@Load 11.0 lb, Temperature 464 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	<= 45.0 MPa	<= 6530 psi	ISO/R527
Elongation at Break	>= 80 %	>= 80 %	ISO/R527
Flexural Strength	<= 60.0 MPa	<= 8700 psi	ISO 178
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	5.00 J/cm ²	23.8 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)	96.0 °C	205 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	120°C/h; ISO 75/1
Vicat Softening Point	110 °C	230 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
	190 °C	374 °F	

Thermal Properties	Metric @Load 1.00 kg	English @Load 2.21 lb	50°C/h- ISO 306 Comments
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Test	650 °C @Thickness 2.00 mm	1200 °F @Thickness 0.0787 in	IEC 695-2-1

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