

**Polykemi AB POLYblend 83EFR PC/ABS-Blend, Flame Retardant, Halogen Free**

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-83EFR-PCABS-Blend-Flame-Retardant-Halogen-Free.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYblend-83EFR-PCABS-Blend-Flame-Retardant-Halogen-Free.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	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	12 g/10 min	12 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 260 °C	@Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	5.5 %	5.5 %	ISO/R527
Flexural Strength	<= 95.0 MPa	<= 13800 psi	ISO 178
Flexural Modulus	2.30 GPa	334 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	120°C/h; ISO 75/1
Vicat Softening Point	105 °C	221 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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