

Polykemi AB POLYlux 3809S FR PC/PBT-Blend, Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYlux-3809S-FR-PCPBT-Blend-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 40.0 MPa	<= 5800 psi	ISO/R527
Elongation at Yield	5.0 %	5.0 %	ISO/R527
Flexural Strength	<= 67.0 MPa	<= 9720 psi	ISO 178
Flexural Modulus	2.30 GPa @Temperature 23.0 °C	334 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 179
	1.30 J/cm ² @Temperature 23.0 °C	6.19 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	120°C/h; ISO 75/1
Vicat Softening Point	110 °C @Load 5.001 kg	230 °F @Load 11.03 lb	50°C/h; ISO 306
	134 °C	273 °F	50°C/h; ISO 306

Thermal Properties	@Load 1.00 kg Metric	@Load 2.21 lb English	Comments
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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