

Polykemi AB POLYshine PBT D241 PBT, Impact Modified

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Impact Grade

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYshine-PBT-D241-PBT-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.018 - 0.020 cm/cm	0.018 - 0.020 in/in	With Flow; ISO 2577
	0.018 - 0.020 cm/cm	0.018 - 0.020 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 37.0 MPa	<= 5370 psi	ISO/R527
Flexural Strength	<= 61.0 MPa	<= 8850 psi	ISO 178
Flexural Modulus	1.70 GPa	247 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	3.50 J/cm ²	16.7 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)	140 °C	284 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	120°C/h; ISO 75/1
Vicat Softening Point	160 °C	320 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	750 °C	1380 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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