

Polykemi AB POLYabs XX0 ABS, Extrusion Grade

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYabs-XX0-ABS-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Melt Index of Compound	3.0 g/10 min @Load 5.00 kg, Temperature 230 °C	3.0 g/10 min @Load 11.0 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 42.0 MPa	<= 6090 psi	ISO/R527
Elongation at Yield	5.5 %	5.5 %	ISO/R527
Flexural Strength	<= 66.0 MPa	<= 9570 psi	ISO 178
Flexural Modulus	1.85 GPa @Temperature 23.0 °C	268 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	1.70 J/cm ² @Temperature -20.0 °C	8.09 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	2.20 J/cm ² @Temperature 23.0 °C	10.5 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	120°C/h; ISO 75/1
Vicat Softening Point	100 °C @Load 5.001 kg	212 °F @Load 11.03 lb	50°C/h; ISO 306
	106 °C @Load 1.00 kg	223 °F @Load 2.21 lb	50°C/h; ISO 306
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
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