

Polykemi AB POLYabs N00 LG ABS, Low Gloss

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYabs-N00-LG-ABS-Low-Gloss.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	With Flow; ISO 2577
	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	Across Flow; ISO 2577
Melt Index of Compound	10 g/10 min	10 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 44.0 MPa	<= 6380 psi	ISO/R527
Flexural Strength	<= 66.0 MPa	<= 9570 psi	ISO 178
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.70 J/cm ²	8.09 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 230 °C	374 - 446 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	in circulation dryer
	2 - 4 hour	2 - 4 hour	in fresh-air dryer

Processing Properties	Metric ^{UR}	English ^{UR}	Comments ^{UR} : air dryer
Injection Pressure	90.0 - 150 MPa	13100 - 21800 psi	
Back Pressure	1.00 - 1.50 MPa	145 - 218 psi	

Descriptive Properties	Value	Comments
Holding Pressure ()	20-40	% of injection pressure
Injection Speed ()	High	

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