

Ecomass® 706BI76 Filled ABS, Injection Molding Grade

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Plating Grade

Material Notes:

Moderate Specific Gravity, Filled ABS, Plating Grade, Product Form - Pellets Processing Method: Injection Molding Nontoxic alternative to traditional materials Information provided by Technical Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-706BI76-Filled-ABS-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.50 g/cc	2.50 g/cc	ISO 1183
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	20.0 MPa	2900 psi	ISO 527
Elongation at Break	3.0 - 5.0 %	3.0 - 5.0 %	ISO 527
Flexural Modulus	5.47 GPa	793 ksi	ISO 178
Izod Impact, Notched	0.640 J/cm @Thickness 3.20 mm	1.20 ft-lb/in @Thickness 0.126 in	ISO 180-A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	84.0 °C	183 °F	ISO 75
Vicat Softening Point	97.0 °C	207 °F	ISO 306
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 265 °C	428 - 509 °F	
Mold Temperature	50.0 - 80.0 °C	122 - 176 °F	
Drying Temperature	90.0 °C	194 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

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