

Ecomass® 1850ZC84 Stainless Steel Powder Filled Polyamide (PA6), Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Stainless Steel Filled

Material Notes:

Stainless Steel Powder Filled Polyamide (PA6), Good Toughness, Product Form - Pellets Processing Method: Injection Molding Nontoxic alternative to Lead, weighting, balancing and radiation shielding applications Information provided by Technical Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1850ZC84-Stainless-Steel-Powder-Filled-Polyamide-PA6-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	4.00 g/cc	4.00 g/cc	Internal Method
Linear Mold Shrinkage	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	25.0 MPa	3630 psi	ISO 527
Elongation at Break	0.50 %	0.50 %	ISO 527
Tensile Modulus	7.50 GPa	1090 ksi	ISO 527
Flexural Modulus	6.20 GPa	899 ksi	ISO 178

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 °C	446 - 482 °F	
Mold Temperature	65.0 - 80.0 °C	149 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 - 6 hour	4 - 6 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	target

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