

Ecomass® 1080ZC86 Stainless Steel Powder Filled Polyamide Alloy, Injection Molding

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Stainless Steel Powder Filled Polyamide Alloy, Very 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-1080ZC86-Stainless-Steel-Powder-Filled-Polyamide-Alloy-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	4.00 g/cc	4.00 g/cc	Internal Method
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	28.0 MPa	4060 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Tensile Modulus	7.00 GPa	1020 ksi	ISO 527
Flexural Modulus	6.00 GPa	870 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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