

Ecomass® 1950ZC84 Stainless Steel Filled Polyamide

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications
Stainless Steel Powder Filled Polyamide (PA6/10) Very Good Toughness
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1950ZC84-Stainless-Steel-Filled-Polyamide.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.80 g/cc	3.80 g/cc	ASTM D792
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	Internal

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.0 MPa	3920 psi	ISO 527
Elongation at Break	0.50 %	0.50 %	ISO 527
Tensile Modulus	7.583 GPa	1100 ksi	ISO 527
Flexural Modulus	6.25 GPa	906 ksi	ISO 178
Izod Impact, Notched (ISO)	5.70 kJ/m ²	2.71 ft-lb/in ²	ISO 180-A

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 %	

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