

Ecomass® 1007ZC85 Stainless Steel Filled COPA

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications
Stainless Steel Powder Filled Co-Polyamide (COPA)
Excellent Toughness
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1007ZC85-Stainless-Steel-Filled-COPA.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	34.0 MPa	4930 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	3.17 GPa	460 ksi	ISO 527
Flexural Modulus	3.59 GPa	521 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 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	75.0 °C	167 °F	
Dry Time	4 hour	4 hour	

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