

Ecomass® 4703ZC57 Stainless Steel Filled Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Nontoxic alternative to Lead (Pb), weighting and balancing applications Moderate Specific Gravity Stainless Steel Filled Polyurethane (TPU) Flexible Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-4703ZC57-Stainless-Steel-Filled-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.30 g/cc	2.30 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	23.0 MPa	3330 psi	ASTM D638
Elongation at Break	800 %	800 %	ASTM D638
Tensile Modulus	0.552 GPa	80.0 ksi	ASTM D638
Flexural Strength	40.0 MPa	5800 psi	ASTM D790
Flexural Modulus	0.0869 GPa	12.6 ksi	ASTM D790
Izod Impact, Notched	2.83 J/cm	5.30 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 221 °C	400 - 430 °F	
Mold Temperature	10.0 - 26.7 °C	50.0 - 80.0 °F	
Drying Temperature	93.3 °C	200 °F	then reduce to 160°F
Dry Time	2 hour	2 hour	

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