

Ecomass® 1002ZC85

Ecomass Technologies - Polyether Block Amide

General Information

Product Description

Ecomass® Compound 1002ZC85. Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications.

Features: Stainless Steel Powder Filled Co-Polyamide (COPA), Excellent Toughness

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Stainless Steel Powder
Features	• High Toughness • Non-Toxic
Uses	• Radiation Shielding
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	3.75	g/cm ³	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	1310	psi	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	29000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	No Break		ISO 180/A

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	158	°F
Drying Time	2.0 to 4.0	hr
Melt Temperature	392 to 446	°F

