

Ecomass® 1002ZB92

Ecomass Technologies - Polyether Block Amide

General Information
Product Description

Ecomass® Compound 1002ZB92. Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications.

Features: High Specific Gravity, Filled Polyether Block Amide, Excellent Toughness

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Filler		
Features	• High Specific Gravity	• High Toughness	• Non-Toxic
Uses	• Radiation Shielding		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	6.90	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

Injection	Nominal Value	Unit
Drying Temperature	158	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	392 to 446	°F
Extrusion	Nominal Value	Unit
Drying Temperature	158	°F
Drying Time	2.0 to 4.0	hr
Melt Temperature	392 to 446	°F

