

Ecomass® 5033ZC87

Ecomass Technologies - Styrene Isoprene Styrene Block Copolymer

General Information

Product Description

Ecomass® Compound 5033ZC87. Nontoxic alternative to Lead (Pb), weighting, balancing and vibration dampening applications.

Features: Moderate Specific Gravity, SS Powder Filled Styrene Isoprene Styrene (SIS), Flexible.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Stainless Steel Powder		
Features	• Block Copolymer	• Medium Density	• Vibration Damping
	• Good Flexibility	• Non-Toxic	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	3.91		ASTM D792
Molding Shrinkage - Flow	3.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	96000	psi	ASTM D638
Tensile Strength	1740	psi	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	116000	psi	ASTM D790
Flexural Strength	3340	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	5.0	ft-lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	0.20	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	221 to 374	°F
Mold Temperature	68 to 113	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

