

Ecomass® 5033ZG87

Ecomass Technologies - Styrene Isoprene Styrene Block Copolymer

General Information

Product Description

Ecomass® Compound 5033ZG87, weighting, and balancing applications.

Features: High Specific Gravity, Tungsten Powder Filled Styrene Isoprene Styrene (SIS), Flexible.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Tungsten		
Features	• Block Copolymer	• Good Flexibility	• High Density
Forms	• Powder		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	4.51		ASTM D792
Molding Shrinkage - Flow	4.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical			
Tensile Modulus	99100	psi	ASTM D638
Tensile Strength	1890	psi	ASTM D638
Tensile Elongation (Break)	16	%	ASTM D638
Flexural Modulus	115000	psi	ASTM D790
Flexural Strength	3480	psi	ASTM D790
Impact			
Notched Izod Impact	7.0	ft·lb/in	ASTM D256
Electrical			
Surface Resistivity	0.20	ohms	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
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.

