



Technical Data Sheet

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Material: Ecomass® Compound 5033ZG87

Nontoxic alternative to Lead (Pb), weighting and balancing applications

Description / Features: High Specific Gravity, SS / Tungsten Powder Filled Styrene Isoprene Styrene (SIS), Flexible

Processing Method: Injection Molding

Physical Properties

Test Method	English		SI		
	Value	Units	Value	Units	
Physical Properties					
Product Form	Pellets		Pellets		
Specific Gravity	ASTM D792	4.50	g/cc	4.50	g/cc
Density					
Mechanical Properties					
Tensile Strength	ASTM D638	1,900	psi	13	MPa
Tensile Modulus	ASTM D638	99,000	psi	683	MPa
Tensile Elongation at Break	ASTM D638	16	%	16	%
Flexural Modulus	ASTM D790	115,000	psi	793	MPa
Flexural Strength	ASTM D790	3,500	psi	24	MPa
Izod Impact Strength, notched	ASTM D256	7.0	ft-lb/in	374	J/m
Electrical Properties					
Surface Resistivity	ASTM D257	0.2	ohms/sq	0.2	ohms/sq
Processing Information					
Melt Temperature Range	220 - 375		°F	105 - 190	°C
Mold Temperature Range	70 - 110		°F	20 - 45	°C
Mold Shrinkage Rate	ASTM D955	0.004 - 0.008	in/in	0.4 - 0.8	%
Pre-Drying Conditions	NA			NA	

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