



Technical Data Sheet

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Material: Ecomass® Compound 5033ZC87

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

Description / Features: High Specific Gravity, SS 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	3.90	g/cc	3.90	g/cc
Density					
Mechanical Properties					
Tensile Strength	ASTM D638	1,750	psi	12	MPa
Tensile Modulus	ASTM D638	96,000	psi	662	MPa
Tensile Elongation at Break	ASTM D638	12	%	12	%
Flexural Modulus	ASTM D790	116,000	psi	800	MPa
Flexural Strength	ASTM D790	3,350	psi	23	MPa
Izod Impact Strength, notched	ASTM D256	5.0	ft-lb/in	267	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	0.003 - 0.007	in/in	0.3 - 0.7	%
Pre-Drying Conditions		NA		NA	

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