



Technical Data Sheet

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Material: Ecomass® Compound 5033ZS91

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	Value	Units
Physical Properties			
Product Form		Pellets	
Specific Gravity	ASTM D792	6.00	
Mechanical Properties			
Tensile Strength	ASTM D638	1,750	psi
Tensile Modulus	ASTM D638	97,000	psi
Tensile Elongation at Break	ASTM D638	13	%
Flexural Modulus	ASTM D790	118,000	psi
Flexural Strength	ASTM D790	3,400	psi
Izod Impact Strength, notched	ASTM D256	5.0	ft-lb/in
Thermal Properties			
Heat Deflection Temperature at 66 psi	ASTM D648	NA	°F
Heat Deflection Temperature at 264 psi	ASTM D648	NA	°F
Electrical Properties			
Surface Resistivity	ASTM D257	0.2	ohms/sq
Processing Information			
Melt Temperature Range		220 - 375	°F
Mold Temperature Range		70 - 110	°F
Mold Shrinkage Rate	ASTM D955	0.003 - 0.007	in/in
Pre-Drying Conditions		NA	

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