



The strength of chemicals.  
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# Technical Data Sheet

**Material:** Ecomass<sup>®</sup> 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
<b>Physical Properties</b>			
Product Form		Pellets	
Specific Gravity	ASTM D792	6.00	
<b>Mechanical Properties</b>			
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
<b>Thermal Properties</b>			
Heat Deflection Temperature at 66 psi	ASTM D648	NA	°F
Heat Deflection Temperature at 264 psi	ASTM D648	NA	°F
<b>Electrical Properties</b>			
Surface Resistivity	ASTM D257	0.2	ohms/sq
<b>Processing Information</b>			
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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