



# Technical Data Sheet

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**Material:** Ecomass® Compound 5100TU96

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

**Description / Features:** High Specific Gravity, Tungsten Powder Filled SEBS Base Resin, Very Flexible

**Processing Method:** Injection Molding

Physical Properties					
Test Method	English		SI		
	Value	Units	Value	Units	
<b>Physical Properties</b>					
Product Form	Pellets		Pellets		
Density	ASTM D792	11.00	g/cc	11.00	g/cc
<b>Mechanical Properties</b>					
Tensile Strength	ASTM D638	196	psi	1	MPa
Tensile Modulus	ASTM D638	N/A	psi	N/A	MPa
Tensile Elongation at Break	ASTM D638	177	%	177	%
Flexural Modulus	ASTM D790	13,300	psi	92	MPa
Flexural Strength	ASTM D790	386	psi	3	MPa
Izod Impact Strength, notched	ASTM D256	2.0	ft-lb/in	107	J/m
Hardness	ASTM D2240	23	Shore D	23	Shore D
<b>Processing Information</b>					
Melt Temperature Range		300 - 400	°F	150 - 205	°C
Mold Temperature Range		70 - 100	°F	20 - 40	°C
Mold Shrinkage Rate	ASTM D955	0.003 - 0.005	in/in	0.3 - 0.5	%
Pre-Drying Conditions		Not Required		Not Required	

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