



Technical Data Sheet

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Material: Ecomass® Compound 2150TU96

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

Description / Features: Tungsten Powder Filled Polyamide (PA6/6), Good Toughness

Processing Method: Injection Molding

Physical Properties					
Test Method	English		SI		
	Value	Units	Value	Units	
Physical Properties					
Product Form	Pellets		Pellets		
Density	Internal	11.00	g/cc	11.00	g/cc
Mechanical Properties					
Tensile Strength	ISO 527	5,075	psi	35	MPa
Tensile Modulus	ISO 527	435,000	psi	3000	MPa
Tensile Elongation at Break	ISO 527	2.0	%	2.0	%
Flexural Modulus	ISO 178	594,500	psi	4100	MPa
Izod Impact Strength, notched	ISO 180/A	0.769	ft-lb/in	5.0	KJ/m
Processing Information					
Melt Temperature Range		510 - 555	°F	265 - 290	°C
Mold Temperature Range		150 - 195	°F	65 - 90	°C
Mold Shrinkage Rate	Internal	0.009 - 0.010	in/in	0.9 - 1.0	%
Pre-Drying Conditions	target moisture < 0.20%	4 - 6 hrs @ 175°F		4 - 6 hrs @ 80°C	

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