



Technical Data Sheet

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Material: Ecomass® Compound 2150TU85

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	5.60	g/cc	5.60	g/cc
Mechanical Properties					
Tensile Strength	ISO 527	6,235	psi	43	MPa
Tensile Modulus	ISO 527	420,500	psi	2900	MPa
Tensile Elongation at Break	ISO 527	9.0	%	9.0	%
Flexural Modulus	ISO 178	362,500	psi	2500	MPa
Izod Impact Strength, notched	ISO 180/A	0.923	ft-lb/in	6.0	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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