



# Technical Data Sheet

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Preliminary

**Material:**  **Ecomass® Compound 1002ZD96**  
*Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications*

**Description / Features:** High Specific Gravity, Tungsten Powder Filled Co-Polyamide (COPA), Excellent Toughness

**Processing Method:** Extrusion

## Physical Properties

	Test Method	Value	Units
<b>Physical Properties</b>			
Product Form		Pellets	
Density		10.00	g/cc

<b>Mechanical Properties</b>			
Tensile Strength	ISO 527	9	Mpa
Tensile Modulus	ISO 527	NA	MPa
Tensile Elongation at Break	ISO 527	500	%
Flexural Modulus	ISO 178	200	Mpa
Flexural Strength	ISO 178	NA	MPa
Izod Impact Strength, notched	ISO 180/A	NB	J/m

<b>Thermal Properties</b>			
Heat Deflection Temperature at 66 psi	ASTM D648	NA	°C
Heat Deflection Temperature at 264 psi	ASTM D648	NA	°C

<b>Electrical Properties</b>			
Surface Resistivity		NA	ohms/sq

<b>Processing Information</b>			
Melt Temperature Range		200 - 230	°C
Pre-Drying Conditions	If required	2 - 4 hours @ 70	°C

NA Not Available  
NB No Break

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