

## Ecomass® 2150TU85

Ecomass Technologies - Polyamide 66

### General Information

#### Product Description

Ecomass® Compound 2150TU85. Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications.

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

#### General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Tungsten
Features	• Good Toughness • Non-Toxic
Uses	• Radiation Shielding
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	5.60	g/cm <sup>3</sup>	Internal Method
Molding Shrinkage - Flow	9.0E-3 to 0.010	in/in	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	421000	psi	ISO 527-1
Tensile Stress	6240	psi	ISO 527-2
Tensile Strain (Break)	9.0	%	ISO 527-2
Flexural Modulus	363000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.9	ft·lb/in <sup>2</sup>	ISO 180/A

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	< 0.20	%
Processing (Melt) Temp	509 to 554	°F
Mold Temperature	149 to 194	°F

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

