

Ecomass® 2150TU96

Ecomass Technologies - Polyamide 66

General Information

Product Description

Ecomass® Compound 2150TU96. 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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	11.0		Internal Method
Molding Shrinkage - Flow	9.0E-3 to 0.010	in/in	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	435000	psi	ISO 527-1
Tensile Stress	5080	psi	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	595000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.4	ft·lb/in ²	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

¹ Typical properties: these are not to be construed as specifications.

