

**Ecomass® 1950TU76**

Ecomass Technologies - Polyamide 610

**General Information**
**Product Description**

Ecomass® Compound 1950TU76. Nontoxic alternative to Lead (Pb), weighting and balancing applications.

Features: Tungsten Powder Filled Polyamide (PA6/10), Very Good Toughness.

**General**

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

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	3.81		Internal Method
Molding Shrinkage - Flow	0.010 to 0.012	in/in	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	430000	psi	ISO 527-1
Tensile Stress	6240	psi	ISO 527-2
Tensile Strain (Break)	11	%	ISO 527-2
Flexural Modulus	348000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.0	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	446 to 482	°F
Mold Temperature	149 to 176	°F

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