

## Ecomass® 1700TU96 Tungsten Filled Polyamide

Category : Polymer , Thermoplastic , Nylon

### Material Notes:

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications. High Specific Gravity Tungsten Powder Filled Polyamide (PA) Alloy Rigid Information provided by Technical Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ecomass-1700TU96-Tungsten-Filled-Polyamide.php](http://www.lookpolymers.com/polymer_Ecomass-1700TU96-Tungsten-Filled-Polyamide.php)

Physical Properties	Metric	English	Comments
Specific Gravity	11.0 g/cc	11.0 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	44.8 MPa	6500 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Tensile Modulus	9.65 GPa	1400 ksi	ASTM D638
Flexural Strength	63.4 MPa	9200 psi	ASTM D790
Flexural Modulus	8.41 GPa	1220 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	159 °C	318 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	155 °C	311 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.21 ohm	0.21 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 254 °C	400 - 490 °F	
Mold Temperature	57.2 - 82.2 °C	135 - 180 °F	
Drying Temperature	73.9 °C	165 °F	
Dry Time	4 hour	4 hour	

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**