

## Ecomass® 4703ZD88 Tungsten Filled Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

**Material Notes:**

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications  
Moderate Specific Gravity  
Tungsten Filled Polyurethane (TPU)  
Flexible  
Information provided by Technical Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ecomass-4703ZD88-Tungsten-Filled-Polyurethane.php](http://www.lookpolymers.com/polymer_Ecomass-4703ZD88-Tungsten-Filled-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	6.80 g/cc	6.80 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	16.86 MPa	2445 psi	ASTM D638
Elongation at Break	58 %	58 %	ASTM D638
Tensile Modulus	0.662 GPa	96.0 ksi	ASTM D638
Flexural Strength	26.2 MPa	3800 psi	ASTM D790
Flexural Modulus	0.113 GPa	16.4 ksi	ASTM D790
Izod Impact, Notched	2.40 J/cm	4.50 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 221 °C	400 - 430 °F	
Mold Temperature	10.0 - 26.7 °C	50.0 - 80.0 °F	
Drying Temperature	93.3 °C	200 °F	then reduce to 160°F
Dry Time	2 hour	2 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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