

Ecomass® 4703ZD84 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 Powder Filled Polyurethane (TPU)
Flexible
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-4703ZD84-Tungsten-Filled-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	5.60 g/cc	5.60 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	21.4 MPa	3100 psi	ASTM D638
Elongation at Break	590 %	590 %	ASTM D638
Tensile Modulus	0.621 GPa	90.0 ksi	ASTM D638
Flexural Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	0.0965 GPa	14.0 ksi	ASTM D790
Izod Impact, Notched	3.95 J/cm	7.40 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	

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