

Ecomass® 4301TU74 Tungsten Filled Polyphthalamide

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications Tungsten Powder Filled Polyphthalamide (PPA) Very Good Toughness Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-4301TU74-Tungsten-Filled-Polyphthalamide.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.80 g/cc	3.80 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	Internal

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	82.0 MPa	11900 psi	ISO 527
Elongation at Break	3.6 %	3.6 %	ISO 527
Tensile Modulus	4.409 GPa	639.5 ksi	ISO 527
Flexural Modulus	4.169 GPa	604.7 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180-A

Processing Properties	Metric	English	Comments
Melt Temperature	310 - 330 °C	590 - 626 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 - 8 hour	4 - 8 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

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