

Ecomass® 1002TU96 Tungsten Powder Filled PEBA, Injection Molding Grade

Category : Polymer , Thermoplastic , Polyether Block Amide (PEBA)

Material Notes:

High Specific Gravity, Tungsten Powder Filled Polyether Block Amide (PEBA), Product Form - Pellets Processing Method: Injection Molding Nontoxic alternative to Lead, weighting, balancing and radiation shielding applications Information provided by Technical Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1002TU96-Tungsten-Powder-Filled-PEBA-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	11.0 g/cc	11.0 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	19.0 MPa	2750 psi	ASTM D638
Elongation at Break	12 %	12 %	ASTM D638
Tensile Modulus	2.07 GPa	300 ksi	ASTM D638
Flexural Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	0.758 GPa	110 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	51.7 °C	125 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.20 ohm	0.20 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 260 °C	450 - 500 °F	
Mold Temperature	65.6 - 82.2 °C	150 - 180 °F	
Drying Temperature	73.9 °C	165 °F	
Dry Time	4 hour	4 hour	

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