

Ecomass® 1003ZD95 Tungsten Filled COPA

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications. High Specific Gravity Tungsten Powder Filled Co-Polyamide (COPA) Excellent Toughness Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1003ZD95-Tungsten-Filled-COPA.php

Physical Properties	Metric	English	Comments
Specific Gravity	9.00 g/cc	9.00 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, Ultimate	19.0 MPa	2750 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Tensile Modulus	4.48 GPa	650 ksi	ASTM D638
Flexural Strength	62.1 MPa	9000 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 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	<= 260 °C	<= 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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