

Ecomass® 1850ZD96 Tungsten Filled Polyamide

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Nontoxic alternative to Lead (Pb), weighting and balancing applications
High Specific Gravity
Tungsten Powder Filled Polyamide (PA6)
Rigid
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1850ZD96-Tungsten-Filled-Polyamide.php

Physical Properties	Metric	English	Comments
Specific Gravity	10.0 g/cc	10.0 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	54.5 MPa	7900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	72.4 MPa	10500 psi	ASTM D790
Flexural Modulus	17.9 GPa	2600 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	71.1 °C	160 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	254 - 288 °C	490 - 550 °F	
Mold Temperature	65.6 - 82.2 °C	150 - 180 °F	
Drying Temperature	73.9 °C	165 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

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