

Ecomass® 1050ZD96 Tungsten Powder Filled Polyamide Alloy, Injection Molding Grade

Category : Polymer , Thermoplastic , Nylon

Material Notes:

High Specific Gravity, Tungsten Powder Filled Polyamide (PA) Alloy, Good Toughness, Product Form - Pellets Processing Method: Injection Molding Nontoxic alternative to Lead, weighting, balancing and shielding applications Information provided by Technical Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1050ZD96-Tungsten-Powder-Filled-Polyamide-Alloy-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	10.0 g/cc	10.0 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	34.5 MPa	5000 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Tensile Modulus	6.45 GPa	935 ksi	ASTM D638
Flexural Strength	49.0 MPa	7100 psi	ASTM D790
Flexural Modulus	5.00 GPa	725 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	0.25 ohm	0.25 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 254 °C	400 - 490 °F	
Mold Temperature	57.2 - 82.2 °C	135 - 180 °F	
Drying Temperature	73.9 °C	165 °F	

Dry Time
Processing Properties

4 hour
Metric

4 hour
English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China