

Ecomass® 1080C094 Copper Powder Filled Polyamide Alloy, Injection Molding

Category : Polymer , Thermoplastic , Nylon

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1080C094-Copper-Powder-Filled-Polyamide-Alloy-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	6.00 g/cc	6.00 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	31.7 MPa	4600 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Tensile Modulus	9.10 GPa	1320 ksi	ASTM D638
Flexural Strength	46.9 MPa	6800 psi	ASTM D790
Flexural Modulus	5.24 GPa	760 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)	135 °C	275 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ASTM D648

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	4 hour	4 hour	

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