

Ecomass® 1050C094 Copper Filled Polyamide

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Nontoxic alternative to Lead (Pb), weighting and balancing applications
Moderate Specific Gravity
Copper Powder Filled Polyamide (PA)
Alloy
Good Toughness
Information provided by Technical Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ecomass-1050C094-Copper-Filled-Polyamide.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, Ultimate	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Tensile Modulus	9.10 GPa	1320 ksi	ASTM D638
Flexural Strength	46.9 MPa	6800 psi	ASTM D790
Flexural Modulus	5.29 GPa	767 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm	1.10 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

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