

Asia International Enterprise (Hong Kong) 60G5 Nylon 66, 25% Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Information provided by Asia International Enterprise (Hong Kong) Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asia-International-Enterprise-Hong-Kong-60G5-Nylon-66-25-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Filler Content	25 %	25 %	
Linear Mold Shrinkage	0.0040 - 0.0090 cm/cm	0.0040 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Ultimate	167 MPa	24200 psi	5mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	5mm/min; ASTM D638
Flexural Strength	245 MPa	35500 psi	2.8mm/min; ASTM D790
Flexural Modulus	7.85 GPa	1140 ksi	2.8mm/min; ASTM D790
Izod Impact, Notched	0.981 J/cm	1.84 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	261 °C	502 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	250 - 300 °C	482 - 572 °F	Cylinder Temperature
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	

Processing Properties	Metric ^{90.0 °C}	English ^{176.0 °F}	Comments
Dry Time	4 - 6 hour	4 - 6 hour	

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