

Asia International Enterprise (Hong Kong) ST60G3 Nylon 66, 15% Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% 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-ST60G3-Nylon-66-15-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc @Temperature 23.0 °C	1.22 g/cc @Temperature 73.4 °F	ASTM D792
Filler Content	15 %	15 %	
Linear Mold Shrinkage	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Ultimate	108 MPa	15600 psi	5mm/min; ASTM D638
Elongation at Break	6.0 %	6.0 %	5mm/min; ASTM D638
Flexural Strength	167 MPa	24200 psi	2.8mm/min; ASTM D790
Flexural Modulus	3.92 GPa	569 ksi	2.8mm/min; ASTM D790
Izod Impact, Notched	2.16 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	4.04 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	245 °C	473 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °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	
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	

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