

Kingfa PA66-G30 30% Glass Fiber Reinforced PA66

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

Material Notes:

Features: Good size stability, Low tendency to warp, High mechanical properties, Good low temperature resistance, Good surface, Excellent balance properties. Applications: Injection molding, Automobile parts, Power tools, Machinery parts, Sport appliance. Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-PA66-G30-30-Glass-Fiber-Reinforced-PA66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Water Absorption	0.60 %	0.60 %	ASTM D570
	@Temperature 23.0 Å°C, Time 86400 sec	@Temperature 73.4 Å°F, Time 24.0 hour	
Linear Mold Shrinkage	0.0040 - 0.0090 cm/cm	0.0040 - 0.0090 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength at Break	180 MPa	26100 psi	10mm/min; ASTM D638
Flexural Strength	225 MPa	32600 psi	2mm/min; ASTM D790
Flexural Modulus	8.50 GPa	1230 ksi	2mm/min; ASTM D790
Izod Impact, Notched	1.15 J/cm	2.15 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 Å°C	@Thickness 0.126 in, Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	256 Å°C	493 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	250 Å°C	482 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
	HB	HB	

Flammability UL 94 Thermal Properties	Metric @Thickness 1.60 mm	English @Thickness 0.0630 in	Comments
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Processing Temperature	<= 310 Â°C	<= 590 Â°F	
Rear Barrel Temperature	260 - 280 Â°C	500 - 536 Â°F	Start Point: 265Â°C
Middle Barrel Temperature	265 - 300 Â°C	509 - 572 Â°F	Start Point: 285Â°C
Front Barrel Temperature	275 - 305 Â°C	527 - 581 Â°F	Start Point: 285Â°C
Melt Temperature	275 - 310 Â°C	527 - 590 Â°F	Start Point: 285Â°C
Mold Temperature	50.0 - 80.0 Â°C	122 - 176 Â°F	Start Point: 60Â°C
Drying Temperature	90.0 - 110 Â°C @Time 14400 - 21600 sec	194 - 230 Â°F @Time 4.00 - 6.00 hour	Pre-dry

Descriptive Properties	Value	Comments
Glass Fiber Content (%)	30	
Injection Speed	Moderate to High	

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