

Beijing Chemical Industry KAIFA® HN201-G30 PA6 Resin

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

30% glass fiber reinforced, thermal resistant Information provided by Beijing Chemical Industry Research Institute (Group)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Beijing-Chemical-Industry-KAIFA-HN201-G30-PA6-Resin.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	ASTM D638
Flexural Strength	200 MPa	29000 psi	ASTM D790
Izod Impact, Notched	0.400 J/cm @Thickness 3.20 mm	0.749 ft-lb/in @Thickness 0.126 in	ASTM D256
Charpy Impact Unnotched	7.80 J/cm ²	37.1 ft-lb/in ²	ISO179
Charpy Impact, Notched	1.80 J/cm ²	8.57 ft-lb/in ²	ISO179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Dielectric Strength	23.0 kV/mm @Thickness 2.00 mm	584 kV/in @Thickness 0.0787 in	ASTM D149

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	210 - 220 °C	410 - 428 °F	
Middle Barrel Temperature	235 - 245 °C	455 - 473 °F	
Front Barrel Temperature			

Processing Properties	245 - 255 °C Metric	473 - 491 °F English	Comments
Nozzle Temperature	240 - 245 °C	464 - 473 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	130 °C	266 °F	
Dry Time	4 hour	4 hour	
Injection Pressure	80.0 - 120 MPa	11600 - 17400 psi	

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