

Kingfa PA66-ROW Halogen-free, Flame Retardant PA66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced, Flame Retardant

Material Notes:

Features: Flame retardant High mechanical strength High heat resistance Good electric properties No blooming Applications: Injection molding Connectors, linkers Relay, bobbins, plugs Household appliance parts E & E parts Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-PA66-ROW-Halogen-free-Flame-Retardant-PA66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc @Temperature 23.0 Â°C	1.16 g/cc @Temperature 73.4 Â°F	ASTM D792
Water Absorption	1.8 % @Temperature 23.0 Â°C, Time 86400 sec	1.8 % @Temperature 73.4 Â°F, Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.011 - 0.014 cm/cm @Temperature 23.0 Â°C	0.011 - 0.014 in/in @Temperature 73.4 Â°F	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	75.0 MPa	10900 psi	50mm/min; ASTM D638
Elongation at Break	10 %	10 %	50mm/min; ASTM D638
Flexural Strength	105 MPa	15200 psi	2mm/min; ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	2mm/min; ASTM D790
Izod Impact, Notched	0.720 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	1.35 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	240 Â°C @Thickness 6.40 mm	464 Â°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C @Thickness 6.40 mm	203 Â°F @Thickness 0.252 in	ASTM D648

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Processing Temperature	<= 270 Â°C	<= 518 Â°F	
Rear Barrel Temperature	235 - 245 Â°C	455 - 473 Â°F	Start Point: 240Â°C
Middle Barrel Temperature	240 - 255 Â°C	464 - 491 Â°F	Start Point: 245Â°C
Front Barrel Temperature	245 - 265 Â°C	473 - 509 Â°F	Start Point: 255Â°C
Melt Temperature	245 - 265 Â°C	473 - 509 Â°F	Start Point: 255Â°C
Mold Temperature	40.0 - 60.0 Â°C	104 - 140 Â°F	Start Point: 50Â°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
Injection Speed	Moderate to High	

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