

Kingfa PA66-ROW

Polyamide 66

Kingfa



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Technical Data

General

Material Status	• Commercial: Active		
UL Yellow Card ¹	• E171666-101326225		
Search for UL Yellow Card	• Kingfa		
Availability	• Asia Pacific	• North America	
Features	• Flame Retardant • Good Electrical Properties	• High Heat Resistance • High Strength	• Non-Blooming
Uses	• Appliance Components	• Connectors	• Household Goods
Forms	• Pellets		
Processing Method	• Injection Molding		

	Nominal Value Unit	Test Method
Specific Gravity	1.16 g/cm ³	ASTM D792
Molding Shrinkage		ASTM D955
Flow: 23°C	1.1 %	
Across Flow: 23°C	1.4 %	
Water Absorption (23°C, 24 hr)	1.8 %	ASTM D570

	Nominal Value Unit	Test Method
Tensile Strength ³	75.0 MPa	ASTM D638
Tensile Elongation ³ (Break)	10 %	ASTM D638
Flexural Modulus ⁴	3200 MPa	ASTM D790
Flexural Strength ⁴	105 MPa	ASTM D790

	Nominal Value Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	72 J/m	ASTM D256

	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	120	ASTM D785

	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed, 6.40 mm	240 °C	
1.8 MPa, Unannealed, 6.40 mm	95.0 °C	

	Nominal Value Unit	Test Method
Volume Resistivity	1.0E+14 ohm·cm	ASTM D257

	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.800 mm	V-0	
3.00 mm	V-0	

	Nominal Value Unit
Drying Temperature	90.0 to 110 °C
Drying Time	4.0 to 6.0 hr
Rear Temperature	235 to 245 °C
Middle Temperature	240 to 255 °C
Front Temperature	245 to 265 °C
Processing (Melt) Temp	245 to 265 °C
Mold Temperature	40.0 to 60.0 °C
Injection Rate	Slow-Moderate

Injection Notes

Processing Temperature Limit: 270°C

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Notes

¹ A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

² Typical properties: these are not to be construed as specifications.

³ 50 mm/min

⁴ 2.0 mm/min

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Where to Buy

Supplier

Kingfa

, China

Telephone: 86-20-87037818

Web: <http://www.kingfa.net/>

Distributor

Please contact the supplier to find a distributor for Kingfa PA66-ROW



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