

Kingfa PA66-T15

Polyamide 66

Kingfa



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Technical Data

General

Material Status	• Commercial: Active
Search for UL Yellow Card	• Kingfa
Availability	• Asia Pacific • North America
Filler / Reinforcement	• Mineral Filler, 15% Filler by Weight
Features	• Good Surface Finish • Warp Resistant
Uses	• Appliances • Power/Other Tools • Automotive Applications • Sporting Goods
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.24 g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	1.1 to 1.4 %	ASTM D955
Water Absorption (23°C, 24 hr)	0.60 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Strength ²	55.0 MPa	ASTM D638
Tensile Elongation ² (Break)	20 %	ASTM D638
Flexural Modulus ³	2500 MPa	ASTM D790
Flexural Strength ³	78.0 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	160 J/m	ASTM D256
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	115	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed, 6.40 mm	235 °C	
1.8 MPa, Unannealed, 6.40 mm	175 °C	
Electrical	Nominal Value Unit	Test Method
Volume Resistivity	1.0E+15 ohm·cm	ASTM D257
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.60 mm	HB	
3.00 mm	HB	

Injection	Nominal Value Unit
Drying Temperature	90.0 to 110 °C
Drying Time	4.0 to 6.0 hr
Rear Temperature	260 to 280 °C
Middle Temperature	265 to 300 °C
Front Temperature	275 to 305 °C
Processing (Melt) Temp	275 to 310 °C
Mold Temperature	50.0 to 80.0 °C
Injection Rate	Moderate-Fast

Injection Notes

Processing Temperature Limit: 310°C

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Notes

¹ Typical properties: these are not to be construed as specifications.

² 10 mm/min

³ 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-T15



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