

Kingfa PA66-RG001

Polyamide 66

Kingfa



IDES | Prospector

ides.com/prospector

Technical Data

General

Material Status	• Commercial: Active		
UL Yellow Card ¹	• E171666-101205190		
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	• Connectors		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.26 g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	1.2 to 1.4 %	ASTM D955
Water Absorption (23°C, 24 hr)	0.60 %	ASTM D570

Mechanical	Nominal Value Unit	Test Method
Tensile Strength ³	55.0 MPa	ASTM D638
Tensile Elongation ³ (Break)	20 %	ASTM D638
Flexural Modulus ⁴	2350 MPa	ASTM D790
Flexural Strength ⁴	80.0 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	75 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	113	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed, 6.40 mm	243 °C	
1.8 MPa, Unannealed, 6.40 mm	68.0 °C	

Electrical	Nominal Value Unit	Test Method
Volume Resistivity	1.0E+16 ohm·cm	ASTM D257

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

Injection	Nominal Value Unit
Drying Temperature	90.0 to 110 °C
Drying Time	4.0 to 6.0 hr
Rear Temperature	255 to 275 °C
Middle Temperature	260 to 290 °C
Front Temperature	270 to 300 °C
Processing (Melt) Temp	275 to 300 °C
Mold Temperature	50.0 to 70.0 °C
Injection Rate	Moderate-Fast

Injection Notes

Processing Temperature Limit: 310°C

Kingfa PA66-RG001

Polyamide 66

Kingfa

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 10 mm/min

⁴ 2.0 mm/min

Kingfa PA66-RG001

Polyamide 66

Kingfa

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-RG001



Founded in 1986 and based in Laramie, Wyoming, IDES is now part of the UL family of companies. UL is a premier global independent safety science company with more than a century of proven history. Employing nearly 10,000 professionals in over 100 countries, UL has five distinct business units -- Product Safety, Environment, Life & Health, Knowledge Services and Verification Services -- to meet the expanding needs of our customers and to deliver on our public safety mission.



Prospector Plastics Database - www.ides.com/prospector

Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"

– Birgit Elvardt Bader, Production Manager, Micotron

Power Searches

Property Search – select plastics by 500 key properties and design parameters.

Alternative Resins Search – find replacement plastics within minutes.

Automotive Plastics Search – easily locate automotive approved plastics.

Curve Data – view, overlay and export curve data.



Material Data Management – www.ides.com/datasheets

With our data management services, plastic suppliers and distributors can have custom search interfaces available on their website for their customers, website visitors, sales and customer service teams. These provide intuitive ways to find and view technical data sheets for their products.

"With UL IDES data services, our website now displays the most current information on the products we distribute and links to our backend RFQ and sales order system, adding both value and service for our customers."

– Kevin Chase, Owner & President, Chase Plastics



Advertising – www.ides.com/advertise

Reach 365,000 pre-qualified plastics professionals and generate leads with proven techniques. Electronic newsletter insertions, sponsored webinars and powerful online ads are available to make the most of your lead-generation program.

For more information, call: 800.788.4668 or 307.742.9227 ext. 220