

Kinta NB6615G

Polyamide 66

Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta NB6615G is a polyamide 66 (nylon 66) product, which contains a 15% glass fiber reinforced material. It is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	0.50 - 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	108	MPa	ASTM D638
Tensile Elongation ² (Break)	7.0	%	ASTM D638
Flexural Modulus ³	5000	MPa	ASTM D790
Flexural Strength ⁴	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	5.50	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	235	°C	ASTM D648
Melting Temperature	260	°C	DSC
CLTE - Flow	2.0E-5 - 3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dissipation Factor ⁵ (23°C, 1 MHz)	0.040		ASTM D150
Arc Resistance	110	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 110	°C	
Drying Time	4.0	hr	
Rear Temperature	240 - 260	°C	
Middle Temperature	250 - 270	°C	
Front Temperature	260 - 280	°C	
Nozzle Temperature	270 - 290	°C	

Processing (Melt) Temp	250 - 270	°C
Mold Temperature	80 - 100	°C
Injection Pressure	100 - 160	MPa

NOTE

- | | |
|----|------------|
| 1. | 10 mm/min |
| 2. | 10 mm/min |
| 3. | 2.0 mm/min |
| 4. | 2.0 mm/min |
| 5. | 60% RH |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

