

Kinta NI6000

Polyamide 6

Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta NI6000 is a polyamide 6 (nylon 6) product. It is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	0.80 - 1.3	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	45.0	MPa	ASTM D638
Tensile Elongation ² (Break)	160	%	ASTM D638
Flexural Modulus ³	1300	MPa	ASTM D790
Flexural Strength ⁴	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	70.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	52.0	°C	ASTM D648
Melting Temperature	225	°C	DSC
CLTE - Flow	7.0E-5 - 8.0E-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)	0.030		ASTM D150
Arc Resistance	130	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80 - 100	°C	
Drying Time	4.0	hr	
Rear Temperature	210 - 230	°C	
Middle Temperature	220 - 240	°C	
Front Temperature	230 - 250	°C	
Nozzle Temperature	240 - 260	°C	
Processing (Melt) Temp	230 - 250	°C	

Mold Temperature	60 - 80	°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



WECHAT