

Kinta NB2630G

Polypropylene

Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta NB2630G is a polypropylene product that contains a 30% 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, 30% filler by weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.30 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	85.0	MPa	ASTM D638
Tensile Elongation ² (Break)	9.0	%	ASTM D638
Flexural Modulus ³	5000	MPa	ASTM D790
Flexural Strength ⁴	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	8.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	150	°C	ASTM D648
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength	41	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75 - 80	°C	
Drying Time	1.0	hr	
Rear Temperature	200 - 205	°C	
Middle Temperature	200 - 215	°C	
Front Temperature	200 - 205	°C	
Nozzle Temperature	205 - 210	°C	
Processing (Melt) Temp	198 - 210	°C	
Mold Temperature	90 - 100	°C	

Injection Pressure	100 - 130	MPa
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	5.0 mm/min	
4.	5.0 mm/min	

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