

Kinta NB4610G

Acrylonitrile Styrene Copolymer

Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta NB4610G is an acrylonitrile styrene copolymer (AS) product, which contains a 10% 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, 10% filler by weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.20 - 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	88		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	87.0	MPa	ASTM D638
Tensile Elongation ² (Break)	6.0	%	ASTM D638
Flexural Modulus ³	5100	MPa	ASTM D790
Flexural Strength ⁴	114	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	4.50	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	102	°C	ASTM D648
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength	35	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	205 - 210	°C	
Front Temperature	200 - 205	°C	
Nozzle Temperature	210 - 220	°C	
Processing (Melt) Temp	205 - 210	°C	
Mold Temperature	80 - 90	°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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