

Kinta FR3600A

Acrylonitrile Butadiene Styrene
Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta FR3600A is an acrylonitrile butadiene styrene (ABS) 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	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.30 - 0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	35.0	MPa	ASTM D638
Tensile Elongation ² (Break)	15	%	ASTM D638
Flexural Modulus ³	2000	MPa	ASTM D790
Flexural Strength ⁴	65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	20.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	80.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.6 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70 - 80	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	200 - 210	°C	
Middle Temperature	205 - 210	°C	
Front Temperature	200 - 210	°C	
Processing (Melt) Temp	190 - 210	°C	
Mold Temperature	40 - 80	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	20 mm/min		
2.	20 mm/min		
3.	5.0 mm/min		

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