

Kinta HI5645

Polycarbonate + ABS

Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta HI5645 is a polycarbonate acrylonitrile butadiene styrene (PC 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	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.60 - 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	52.0	MPa	ASTM D638
Tensile Elongation ² (Break)	75	%	ASTM D638
Flexural Modulus ³	2200	MPa	ASTM D790
Flexural Strength ⁴	82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	25.0	kJ/m ²	ASTM D256
23°C, 3.20 mm	50.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	100	°C	ASTM D648
CLTE - Flow	6.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+18	ohms · cm	ASTM D257
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	220 - 240	°C	
Middle Temperature	230 - 250	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	250 - 270	°C	
Processing (Melt) Temp	240 - 260	°C	
Mold Temperature	70 - 90	°C	

NOTE	
1.	20 mm/min
2.	20 mm/min
3.	2.0 mm/min
4.	2.0 mm/min

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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



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