Kinta FR5000-J001

Polycarbonate

Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta FR5000-J001 is a polycarbonate (PC) product. It is available in the Asia-Pacific region.
Features include:
flame retardant/rated flame
Flame Retardant
fatigue resistance
Halogen-free

General Information			
Additive	Flame retardancy		
Features	Fatigue resistance Halogen-free		
Appearance	Clear/transparent		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.50 - 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]	60.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	80	%	ASTM D638
Flexural Modulus [3]	2300	MPa	ASTM D790
Flexural Strength [4]	85.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm)	70.0	kJ/m²	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	125	°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)	V-0		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	110 - 120	°C	
Drying Time	4.0	hr	

Rear Temperature	250 - 270	°C
Middle Temperature	260 - 280	°C
Front Temperature	270 - 290	°C
Nozzle Temperature	270 - 290	°C
Processing (Melt) Temp	260 - 290	°C
Mold Temperature	80 - 110	°C

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

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