

Kinta R4-006 BK

Polyphenylene Sulfide

Kinta Technology (Hong Kong) Co., Ltd.

Message:

Kinta R4-006 BK is a polyphenylene sulfide (PPS) product. It is available in the Asia-Pacific region.

Features include:

flame retardant/rated flame

Flame Retardant

General Information			
Additive	Flame retardancy		
Features	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.30 - 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	135	MPa	ASTM D638
Tensile Elongation ² (Break)	5.5	%	ASTM D638
Flexural Modulus ³	14500	MPa	ASTM D790
Flexural Strength ⁴	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	7.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	250	°C	ASTM D648
CLTE - Flow	3.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Arc Resistance	122	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 150	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	280 - 300	°C	
Middle Temperature	290 - 310	°C	
Front Temperature	310 - 330	°C	
Processing (Melt) Temp	290 - 320	°C	

Mold Temperature	110 - 140	°C
Injection Rate	Moderate-Fast	
NOTE		
1.	10 mm/min	
2.	10 mm/min	
3.	2.0 mm/min	
4.	2.0 mm/min	

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