

Kangxi® FRHIPSMIV-0

High Impact Polystyrene

Wuxi Kangxi Plastics Technology Co.,Ltd.

Message:

Kangxi®FRHIPSMIV-0 is a high impact polystyrene product. It can be processed by gas-assisted injection molding or injection molding and is available in the Asia-Pacific region. Kangxi®FRHIPSMIV-0 application areas include electrical/electronic applications and housing.

Features include:

flame retardant/rated flame

ROHS certification

Flame Retardant

Heat resistance

General Information			
Features	Good electrical performance Heat resistance, high Flame retardancy		
Uses	Electrical/Electronic Applications Shell		
RoHS Compliance	RoHS compliance		
Processing Method	Gas-Assisted Injection Molding Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.15	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	ASTM D955
Transverse flow	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	25.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	30	%	ASTM D638
Flexural Modulus ⁴	2100	MPa	ASTM D790
Flexural Strength ⁵	35.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	85.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	75.0	°C	ASTM D648
Ball Pressure Test (80°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm	V-0		UL 94
3.2 mm	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Weather Resistance - 24 hr (23°C)	0.040	%	ASTM D570
Injection	Nominal Value	Unit	
Drying Temperature	70	°C	
Drying Time	2.0	hr	
Rear Temperature	180 - 230	°C	
Middle Temperature	180 - 230	°C	
Front Temperature	180 - 230	°C	
Processing (Melt) Temp	220 - 245	°C	
Mold Temperature	30 - 60	°C	
NOTE			
1.	23°C		
2.	50 mm/min		
3.	50 mm/min		
4.	2.0 mm/min		
5.	2.0 mm/min		

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