

Kangxi® FRPP-V0

Polypropylene

Wuxi Kangxi Plastics Technology Co.,Ltd.

Message:

Kangxi®FRPP-V0 is a polypropylene product. It can be processed by injection molding and is available in the Asia-Pacific region. Kangxi®FRPP-V0 applications include electrical appliances and the automotive industry.

Features include:

flame retardant/rated flame

Flame Retardant

high strength

Good dimensional stability

beautiful

General Information			
Features	Good dimensional stability		
	High strength		
	Heat resistance, high		
	Excellent appearance		
	Flame retardancy		
Uses	Electrical appliances		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.26	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.0	%	ASTM D955
Transverse flow	1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	25.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	30	%	ASTM D638
Flexural Modulus ⁴	2000	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)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	125	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94

1.6 mm	V-0	UL 94
3.2 mm	V-0	UL 94
Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	4.0 - 6.0	hr
Rear Temperature	180 - 220	°C
Middle Temperature	180 - 220	°C
Front Temperature	180 - 220	°C
Processing (Melt) Temp	220 - 240	°C
Mold Temperature	30 - 60	°C
NOTE		
1.	23°C	
2.	10 mm/min	
3.	10 mm/min	
4.	2.0 mm/min	
5.	2.0 mm/min	

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