

Kangxi® PP-30GF

Polypropylene

Wuxi Kangxi Plastics Technology Co.,Ltd.

Message:

Kangxi® PP-30GF is a polypropylene product, and the filler is 30% glass fiber reinforced material. It can be processed by injection molding and is available in the Asia-Pacific region. Kangxi® PP-30GF applications include electrical appliances and the automotive industry.

Features include:

flame retardant/rated flame

high strength

Good dimensional stability

beautiful

Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	High strength		
	Heat resistance, high		
	Excellent appearance		
Uses	Electrical appliances		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.14	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	75.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.5	%	ASTM D638
Flexural Modulus ⁴	5000	MPa	ASTM D790
Flexural Strength ⁵	90.0	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	160	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	150	°C	ASTM D648

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	HB		UL 94
3.2 mm	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Weather Resistance - 24 hr (23°C)	0.020	%	ASTM D570
Injection	Nominal Value	Unit	
Drying Temperature	80 - 90	°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.	10 mm/min		
3.	10 mm/min		
4.	2.0 mm/min		
5.	2.0 mm/min		

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