

Kingfa GFPP-10

Polypropylene

Kingfa

Message:

Kingfa GFPP-10 is a polypropylene material, which contains a 10% glass fiber reinforced material. This product is available in North America or Asia Pacific.

The main features of Kingfa GFPP-10 are:

- flame retardant/rated flame
- high strength
- Heat resistance

Typical application areas include:

- electrical appliances
- engineering/industrial accessories
- home apps
- Automotive Industry

General Information			
UL YellowCard	E171666-225755		
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	High strength		
	Heat resistance, medium		
Uses	Machine/mechanical parts		
	Home appliance components		
	Household goods		
	Application in Automobile Field		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.60 - 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	55.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	2500	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm, injection molding	150	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm, injection molding	135	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		UL 94
3.00 mm	HB		UL 94
Additional Information			
Filler Content, ISO3451/1, Method A: 10%			
NOTE			
1.	10 mm/min		
2.	10 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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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

