

# Kingfa GFPP-20

Polypropylene

Kingfa

## Message:

Kingfa GFPP-20 is a polypropylene material, which contains a 20% glass fiber reinforced material. This product is available in North America or Asia Pacific.

The main features of Kingfa GFPP-20 are:

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

Typical application areas include:

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

General Information			
UL YellowCard	E171666-225755		
Filler / Reinforcement	Glass fiber reinforced material, 20% 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	1.05	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (23°C)	0.40 - 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (23°C, Injection Molded)	70.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 23°C, Injection Molded)	4.5	%	ASTM D638
Flexural Modulus <sup>3</sup> (23°C, Injection Molded)	4000	MPa	ASTM D790
Flexural Strength <sup>4</sup> (23°C, Injection Molded)	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm, injection molding	155	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm, injection molding	145	°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: 20%			
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

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