

Kingfa MF-30

Polypropylene

Kingfa

Message:

Kingfa MF-30 is a polypropylene material, which contains 30% mica filler. This product is available in North America or Asia Pacific.

The main features of Kingfa MF-30 are:

flame retardant/rated flame

High stiffness

anti-warping

Typical application areas include:

electrical appliances

home apps

Automotive Industry

General Information			
Filler / Reinforcement	Mica filler, 30% filler by weight		
Features	Low warpage		
	Rigidity, high		
Uses	Home appliance components		
	Household goods		
	Application in Automobile Field		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.60 - 0.90	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	60.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	14	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	4900	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	88.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm, Injection Molded)			
	138	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
Additional Information			
Filler Content, ISO3451/1, Method A: 30%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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