

Kingfa HG-108

Polypropylene

Kingfa

Message:

Kingfa HG-108 is a polypropylene material, which contains a 15% filler. This product is available in North America or Asia Pacific.

The main features of Kingfa HG-108 are:

flame retardant/rated flame

high gloss

Heat resistance

Typical application areas include:

electrical appliances

home apps

General Information			
Filler / Reinforcement	Filler, 15% filler by weight		
Features	Highlight		
	Heat resistance, medium		
Uses	Home appliance components		
	Household goods		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.5 - 1.7	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	33.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	29	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1530	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	39.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	51	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm, injection molding	130	°C	ASTM D648

1.8 MPa, unannealed, 6.40mm, injection molding	70.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB	UL 94	
Additional Information			
Filler Content, ISO3451/1, Method A: 15%			
NOTE			
1.	50 mm/min		
2.	50 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

