Kingfa HG-172

Polypropylene

Kingfa

Message:

Kingfa HG-172 is a polypropylene material, which contains a 30% filler. This product is available in North America or Asia Pacific.
The main features of Kingfa HG-172 are:
flame retardant/rated flame
High stiffness
high gloss
Heat resistance
Typical application areas include:
electrical appliances
home apps

General Information			
Filler / Reinforcement	Filler, 30% filler by weight		
Features	Rigidity, high Highlight Heat resistance, medium		
Uses	Home appliance components Household goods		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.12	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.1 - 1.3	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (23°C, Injection Molded)	22.0	MPa	ASTM D638
Tensile Elongation [2] (Break, 23°C, Injection Molded)	200	%	ASTM D638
Flexural Modulus [3] (23°C, Injection Molded)	1320	MPa	ASTM D790
Flexural Strength [4] (23°C, Injection Molded)	31.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	83	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: 30%

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

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