

# Kingfa HG-542

Polypropylene

Kingfa

## Message:

Kingfa HG-542 is a polypropylene material, which contains a 25% filler. This product is available in North America or Asia Pacific.

The main features of Kingfa HG-542 are:

flame retardant/rated flame

high gloss

Heat resistance

Typical application areas include:

electrical appliances

home apps

General Information			
UL YellowCard	E171666-225758		
Filler / Reinforcement	Filler, 25% filler by weight		
Features	Highlight		
	Heat resistance, medium		
Uses	Home appliance components		
	Household goods		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.3 - 1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (23°C, Injection Molded)	28.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 23°C, Injection Molded)	70	%	ASTM D638
Flexural Modulus <sup>3</sup> (23°C, Injection Molded)	1100	MPa	ASTM D790
Flexural Strength <sup>4</sup> (23°C, Injection Molded)	32.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20mm, injection molding	45	J/m	ASTM D256
23°C, 3.20mm, injection molding	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, unannealed, 6.40mm, injection molding	120	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm, injection molding	65.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Additional Information			
Filler Content, ISO3451/1, Method A: 25%			
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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