

Kingfa PP-V15

Polypropylene

Kingfa

Message:

Kingfa PP-V15 is a polypropylene material, which contains 20% calcium carbonate filler. This product is available in North America or Asia Pacific.

The main features of Kingfa PP-V15 are:

flame retardant/rated flame

high gloss

odorless/tasteless channel

Typical application areas include:

electrical appliances

home apps

Automotive Industry

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Features	Highlight		
	The smell is low to none		
Uses	Home appliance components		
	Household goods		
	Application in Automobile Field		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.2 - 1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	30.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	92	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1410	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	37.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm, Injection Molded)	118	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Additional Information			
Filler Content, ISO3451/1, Method A: 20%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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