

Kingfa PP-116

Polypropylene
Kingfa

Message:

Kingfa PP-116 is a polypropylene material, which contains 30% talc filler. This product is available in North America or Asia Pacific.

The main features of Kingfa PP-116 are:

flame retardant/rated flame

High stiffness

Heat resistance

Typical application areas include:

electrical appliances

home apps

Automotive Industry

General Information			
UL YellowCard	E171666-225758		
Filler / Reinforcement	Talc filler, 30% filler by weight		
Features	Rigidity, high		
	Heat resistance, high		
Uses	Home appliance components		
	Household goods		
	Application in Automobile Field		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.90 - 1.2	%	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)	33.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	20	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	2000	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	51.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm, Injection Molded)			140	°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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