

Kingfa PP-R200

Polypropylene

Kingfa

Message:

Kingfa PP-R200 is a Polypropylene material. It is available in Asia Pacific or North America.

Important attributes of Kingfa PP-R200 are:

Flame Rated

Flame Retardant

Typical applications include:

Appliances

Electrical/Electronic Applications

Housings

General Information			
UL YellowCard	E171666-225765		
Features	Flame Retardant		
	Low Blooming		
	Low Density		
Uses	Appliance Components		
	Electrical/Electronic Applications		
	Housings		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.5 to 1.7	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		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)	100	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1200	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	32.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	57	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm, Injection Molded)	120	°C	ASTM D648
Vicat Softening Temperature	128	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-2		
3.00 mm	V-2		
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		
5.	Rate B (120°C/h), Loading 1 (10 N)		

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