

Kingfa PP-R001

Polypropylene

Kingfa

Message:

Kingfa PP-R001 is a Polypropylene material. It is available in Asia Pacific or North America.

Important attributes of Kingfa PP-R001 are:

Flame Rated

Flame Retardant

Typical application of Kingfa PP-R001: Electrical/Electronic Applications

General Information			
UL YellowCard	E171666-225761		
Features	Flame Retardant		
	General Purpose		
Uses	Electrical/Electronic Applications		
	General Purpose		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.0 to 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	28.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	40	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1800	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	51	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm, Injection Molded)	125	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525 ⁵
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	

0.950 mm	V-0
1.50 mm	V-0
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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Recommended distributors for this material


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