

Kingfa PP-R2

Polypropylene

Kingfa

Message:

Kingfa PP-R2 is a Polypropylene material. It is available in Asia Pacific or North America.

Important attributes of Kingfa PP-R2 are:

Flame Rated

Flame Retardant

Typical application of Kingfa PP-R2: Electrical/Electronic Applications

General Information			
UL YellowCard	E171666-225764		
Features	Flame Retardant		
	Low Density		
Uses	Electrical/Electronic Applications		
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)	10	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)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	32.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	100	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1050	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	35.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	42	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	130	°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)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

