

# Kingfa PP-R008

Polypropylene

Kingfa

## Message:

Kingfa PP-R008 is a Polypropylene material. It is available in Asia Pacific or North America.

Important attributes of Kingfa PP-R008 are:

Flame Rated

Flame Retardant

Impact Resistant

Typical application of Kingfa PP-R008: Electrical/Electronic Applications

General Information			
UL YellowCard	E171666-225762		
Features	Flame Retardant High Impact Resistance		
Uses	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	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)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (23°C, Injection Molded)	25.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 23°C, Injection Molded)	50	%	ASTM D638
Flexural Modulus <sup>3</sup> (23°C, Injection Molded)	1500	MPa	ASTM D790
Flexural Strength <sup>4</sup> (23°C, Injection Molded)	24.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	87	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 <sup>5</sup>
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.800 mm	V-0		

1.60 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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