

Kingfa NHPP-FR

Polypropylene

Kingfa

Message:

Kingfa NHPP-FR is a Polypropylene material. It is available in Asia Pacific or North America.

Important attributes of Kingfa NHPP-FR are:

Flame Rated

Flame Retardant

Halogen Free

Typical application of Kingfa NHPP-FR: Electrical/Electronic Applications

General Information			
UL YellowCard	E171666-302338		
Features	Flame Retardant		
	Halogen Free		
Uses	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	1.4 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		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)	60	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	1600	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)	47	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm, Injection Molded	115	°C	
1.8 MPa, Unannealed, 6.40 mm, Injection Molded	110	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	2.0 mm/min
4.	2.0 mm/min

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