

Kingfa PP-KF08

Polypropylene

Kingfa

Message:

PP-T40

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	Good coloring		
	Thermal stability, good		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20 - 1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0 - 17	g/10 min	ISO 1133
Molding Shrinkage	7.0E-3 - 9.0E-3	%	Internal method
Ash Content ¹ (750°C)	38 - 42	%	ISO 3451
Long Term Aging (150°C)	> 700.0	hr	ISO 188
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	32.0	MPa	ISO 527-2/50
Flexural Modulus ²	3500	MPa	ISO 178
Flexural Stress ³	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	2.8	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, unannealed, 4.00mm span)	130	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	0.0 - 2.0	hr	
Rear Temperature	190 - 210	°C	
Middle Temperature	205 - 230	°C	
Front Temperature	215 - 240	°C	
Processing (Melt) Temp	220 - 245	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Slow-Moderate		
Back Pressure	0.350	MPa	

Injection instructions

Processing Temp. Limit: 250°C

NOTE

- | | |
|----|------------|
| 1. | 30 min |
| 2. | 2.0 mm/min |
| 3. | 2.0 mm/min |

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