

Kingfa API-4008

Polypropylene

Kingfa

Message:

Kingfa API-4008 is a polypropylene material, which contains a 40% filler. This product is available in North America or Asia Pacific.

The main features of Kingfa API-4008 are:

flame retardant/rated flame

High stiffness

heat stabilizer

The typical application field of Kingfa API-4008 is: automotive industry

General Information			
Filler / Reinforcement	Filler, 40% filler by weight		
Additive	heat stabilizer		
Features	Rigidity, high		
	Thermal Stability		
Uses	Parts under the hood of a car		
	Car interior equipment		
	Car dashboard		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.90 - 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, Injection Molded)	38.0	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, Injection Molded)	10	%	ASTM D638
Flexural Modulus ³ (23°C, Injection Molded)	3500	MPa	ASTM D790
Flexural Strength ⁴ (23°C, Injection Molded)	44.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20mm, injection molding	25	J/m	ASTM D256
23°C, 3.20mm, injection molding	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, unannealed, 6.40mm, injection molding	130	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm, injection molding	70.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
Additional Information			
Filler Content, ISO3451/1, Method A: 40%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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