

Kingfa API-CG318

Polypropylene

Kingfa

Message:

Kingfa API-CG318 is a polypropylene material, and its filler is glass fiber reinforced material. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Kingfa API-CG318 are:

flame retardant/rated flame

Good dimensional stability

beautiful

Heat resistance

Typical application areas include:

Automotive Industry

engineering/industrial accessories

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Good dimensional stability		
	Heat resistance, high		
	Excellent appearance		
Uses	Components		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0 - 5.0	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.90	%	Internal method
Flow direction	0.30	%	Internal method
Ash Content (850°C)	30	%	ISO 3451-1
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	65.0	MPa	ISO 527-2/10
Tensile Strain (Break)	3.2	%	ISO 527-2/10
Flexural Modulus ¹	4500	MPa	ISO 178
Flexural Stress ²	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, unannealed, 4.00mm span	150	°C	ISO 75-2/B
1.8 MPa, not annealed	140	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	180 - 200	°C	
Middle Temperature	200 - 230	°C	
Front Temperature	220 - 240	°C	
Processing (Melt) Temp	220 - 245	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.350	MPa	
Injection instructions			
Processing Temp. Limit: 260°C			
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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

