

LNP™ THERMOCOMP™ OF006A compound

Branched Polyphenylene Sulfide
SABIC Innovative Plastics

Message:

LNP THERMOCOMP OF-1006 is a compound based on Polyphenylene Sulfide resin containing Glass Fiber.

General Information			
UL YellowCard	E45329-101344680	E45329-101344627	
Filler / Reinforcement	Glass fiber reinforced material		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11100	MPa	ISO 527-2/1
Tensile Stress (Break)	157	MPa	ISO 527-2/5
Tensile Strain (Break)	1.9	%	ISO 527-2/5
Flexural Modulus ¹	10800	MPa	ISO 178
Flexural Stress	238	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (1.8 MPa, Unannealed, 64.0 mm Span)	260	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.9E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	5.2E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	121 - 149	°C	
Drying Time	4.0	hr	
Rear Temperature	304 - 316	°C	
Middle Temperature	321 - 332	°C	
Front Temperature	332 - 343	°C	
Processing (Melt) Temp	316 - 321	°C	
Mold Temperature	138 - 166	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	
NOTE			
1.	2.0 mm/min		
2.	80*10*4 mm		

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Recommended distributors for this material

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