

LNP™ THERMOCOMP™ OF008A compound

Branched Polyphenylene Sulfide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP OF008A is a compound based on PPS - Branched resin containing Glass Fiber.

Also known as: LNP* THERMOCOMP* Compound OF-1008

Product reorder name: OF008A

General Information			
UL YellowCard	E45329-101344459	E45329-101344627	
Filler / Reinforcement	Glass fiber reinforced material		
Features	Branched polymer structure		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	ISO 1183
Molding Shrinkage			
Flow ¹	0.15 - 0.25	%	Internal method
Vertical flow direction: 24 hours	0.80 - 1.2	%	ISO 294-4
Flow direction: 24 hours	0.20 - 0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	182	MPa	ISO 527-2/5
Tensile Strain (Break)	1.7	%	ISO 527-2/5
Flexural Modulus ²	14000	MPa	ISO 178
Flexural Stress	271	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	9.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	272	°C	ISO 75-2/Af
CLTE - Flow (23 to 60°C)	2.6E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (0.450 mm)	V-0		UL 94
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.	Tensile Bar	
2.	2.0 mm/min	
3.	80*10*4	
4.	80*10*4	
5.	80*10*4 mm	

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