

LNP™ THERMOCOMP™ OF008A compound

Branched Polyphenylene Sulfide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP OF008A is a compound based on PPS - Branched resin containing 40% Glass Fiber.

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

Product reorder name: OF008A

General Information			
UL YellowCard	E121562-101283821	E121562-101284690	
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Branched Polymer Structure		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.68	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.20	%	
Across Flow : 24 hr	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Break	179	MPa	ASTM D638
Break	160	MPa	ISO 527-2
Tensile Elongation			
Break	1.7	%	ASTM D638
Break	1.2	%	ISO 527-2
Flexural Modulus			
--	14300	MPa	ASTM D790
--	13400	MPa	ISO 178
Flexural Strength			
--	248	MPa	ASTM D790
--	190	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.41		
vs. Itself - Static	0.87		
Wear Factor - Washer	240	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	100	J/m	ASTM D256
23°C ¹	6.9	kJ/m²	ISO 180/1A
Unnotched Izod Impact			
23°C	590	J/m	ASTM D4812

23°C ²	21	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	261	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ³	272	°C	ISO 75-2/Af
CLTE - Flow (-40 to 40°C)	2.6E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (0.450 mm, Testing by SABIC)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Rear Temperature	304 to 316	°C	
Middle Temperature	321 to 332	°C	
Front Temperature	332 to 343	°C	
Processing (Melt) Temp	316 to 321	°C	
Mold Temperature	138 to 166	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	80*10*4		
2.	80*10*4		
3.	80*10*4 mm		

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