

LNP™ THERMOCOMP™ OF008E compound

Linear Polyphenylene Sulfide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP OF008E is a compound based on Polyphenylene Sulfide resin containing Glass Fiber. Added features of this material include: Easy Molding.

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

Product reorder name: OF008E

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Good formability		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.68	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	0.20	%	ASTM D955
Transverse flow: 24 hours	0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Fracture	179	MPa	ASTM D638
Fracture	160	MPa	ISO 527-2
Tensile Elongation			
Fracture	1.7	%	ASTM D638
Fracture	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			
With self-dynamics	0.66		ASTM D3702 Modified
With Self-Static	0.87		ASTM D3702 Modified
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/m ²	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, 3.20mm	261	°C	ASTM D648
1.8 MPa, unannealed, 64.0mm 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
NOTE			
1.	80*10*4		
2.	80*10*4		
3.	80*10*4 mm		

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