

LNP* Thermocomp* Compound OF008E

Americas: COMMERCIAL

Also known as: OF-1008 EM
Product Reorder Name: OF008E

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

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	178	MPa	ASTM D 638
Tensile Strain, break	1.7	%	ASTM D 638
Flexural Stress	248	MPa	ASTM D 790
Flexural Modulus	14260	MPa	ASTM D 790
Tensile Stress, break	160	MPa	ISO 527
Tensile Strain, break	1.2	%	ISO 527
Flexural Stress	190	MPa	ISO 178
Flexural Modulus	13400	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	587	J/m	ASTM D 4812
Izod Impact, notched, 23°C	101	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	21	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	261	°C	ASTM D 648
CTE, -40°C to 40°C, flow	2.6E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	272	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.68	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.8	%	ASTM D 955
Wear Factor Washer	240	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.66	-	ASTM D 3702 Modified
Static COF	0.87	-	ASTM D 3702 Modified
FLAME CHARACTERISTICS	Value	Unit	Standard
UL Compliant, 94V-0 Flame Class Rating (3)(4)	0.45	mm	UL 94 by GE

Source GMD, last updated:06/13/2007

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

- (2) Only typical data for selection purposes. Not to be used for part or tool design.
- (3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
- (4) Internal measurements according to UL standards.

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