

LNP* Thermocomp* Compound JF008E

Americas: COMMERCIAL

LNP* Thermocomp* JF008E is a compound based on Polyethersulfon (PES) containing Glass Fiber. Characteristics of this grade are:
Easy Molding.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yld, Type I, 5 mm/min	152	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	152	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	1.7	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	15380	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	209	MPa	ASTM D 790
Flexural Stress, brk, 1.3 mm/min, 50 mm span	208	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	12290	MPa	ASTM D 790
Tensile Stress, yield, 5 mm/min	146	MPa	ISO 527
Tensile Stress, break, 5 mm/min	146	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	1.5	%	ISO 527
Tensile Strain, break, 5 mm/min	1.5	%	ISO 527
Tensile Modulus, 1 mm/min	13760	MPa	ISO 527
Flexural Stress	207	MPa	ISO 178
Flexural Modulus, 2 mm/min	12170	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	568	J/m	ASTM D 4812
Izod Impact, notched, 23°C	77	J/m	ASTM D 256
Multiaxial Impact	2	J	ISO 6603
Instrumented Impact Total Energy, 23°C	13	J	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	34	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 0.45 MPa, 3.2 mm, unannealed	212	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	207	°C	ASTM D 648
CTE, -30°C to 30°C, flow	5.E-06	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	1.E-06	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	231	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	211	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Specific Gravity	1.69	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.32	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.1 - 0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.5 - 0.7	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	0.49	%	ISO 62

Source GMD, last updated:05/05/2008

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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