

## LNP\* Thermocomp\* Compound EX06430H

Americas: COMMERCIAL

Also known as: EX06430H BL5-442-2  
Product Reorder Name: EX06430H

LNP\* Thermocomp\* EX06430H is a compound based on Polyetherimide resin containing Proprietary Filler(s).

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yield	110	MPa	ASTM D 638
Tensile Stress, break	90	MPa	ASTM D 638
Tensile Strain, yield	6.7	%	ASTM D 638
Tensile Strain, break	13.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	3660	MPa	ASTM D 638
Flexural Modulus	3660	MPa	ASTM D 790
Tensile Stress, yield	106	MPa	ISO 527
Tensile Stress, break	90	MPa	ISO 527
Tensile Strain, yield	6	%	ISO 527
Tensile Strain, break	10.8	%	ISO 527
Tensile Modulus, 1 mm/min	3500	MPa	ISO 527
Flexural Stress	133	MPa	ISO 178
Flexural Modulus	3500	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	1383	J/m	ASTM D 4812
Izod Impact, notched, 23°C	48	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	10	J	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	73	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m <sup>2</sup>	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	195	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	194	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.34 - 1.4	g/cm <sup>3</sup>	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.8	%	ASTM D 955

Source GMD, last updated:08/02/2007

### 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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