

## LNP\* Thermocomp\* Compound YF005

Americas: COMMERCIAL

Also known as: YF-1005  
Product Reorder Name: YF005

LNP\* Thermocomp\* YF005 is a compound based on TPEE resin containing Glass Fiber.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	54	MPa	ASTM D 638
Tensile Strain, break	8.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	2730	MPa	ASTM D 638
Flexural Stress	68	MPa	ASTM D 790
Flexural Modulus	2530	MPa	ASTM D 790
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	1250	J/m	ASTM D 4812
Izod Impact, notched, 23°C	336	J/m	ASTM D 256
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	170	°C	ASTM D 648
PHYSICAL	Value	Unit	Standard
Density	1.39	g/cm <sup>3</sup>	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.4	%	ASTM D 955

Source GMD, last updated:03/28/2006

### 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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