

## LNP\* Thermocomp\* Compound MF002S

Americas: COMMERCIAL

Also known as: MFX-1002 HS  
Product Reorder Name: MF002S

LNP\* Thermocomp\* MF002S is a compound based on Polypropylene resin containing Glass Fiber. Added features of this material include: Chemically Coupled, Heat Stabilized.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
	Value	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, break	51	MPa	ASTM D 638
Tensile Strain, break	3.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	3578370	MPa	ASTM D 638
Flexural Stress	75	MPa	ASTM D 790
Flexural Modulus	2868210	MPa	ASTM D 790
<b>IMPACT</b>			
	Value	Unit	Standard
Izod Impact, unnotched, 23°C	517	J/m	ASTM D 4812
Izod Impact, notched, 23°C	74	J/m	ASTM D 256
<b>THERMAL</b>			
	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	137	°C	ASTM D 648
<b>PHYSICAL</b>			
	Value	Unit	Standard
Density	0.97	g/cm <sup>3</sup>	ASTM D 792

Source GMD, last updated:09/24/2008

### Processing

Parameter	Value	Unit
<b>Injection Molding</b>		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	225 - 250	°C
Front - Zone 3 Temperature	240 - 250	°C
Middle - Zone 2 Temperature	215 - 225	°C
Rear - Zone 1 Temperature	195 - 205	°C
Mold Temperature	30 - 50	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:09/24/2008

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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