

## LNP\* Thermocomp\* Compound WX88406

Americas: DEVELOPMENTAL

Also known as: PDX-W-88406

Product Reorder Name: WX88406

LNP\* Thermocomp\* WX88406 is a compound based on Polyester, TP resin.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
	Value	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, break	103	MPa	ASTM D 638
Tensile Strain, break	2.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	7920	MPa	ASTM D 638
Flexural Stress	165	MPa	ASTM D 790
Flexural Modulus	7060	MPa	ASTM D 790
<b>IMPACT</b>			
Izod Impact, unnotched, 23°C	681	J/m	ASTM D 4812
Izod Impact, notched, 23°C	69	J/m	ASTM D 256
<b>THERMAL</b>			
HDT, 1.82 MPa, 3.2mm, unannealed	202	°C	ASTM D 648
<b>PHYSICAL</b>			
Density	1.49	g/cm <sup>3</sup>	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.2	%	ASTM D 955

Source GMD, last updated:09/24/2008

### Processing

Parameter	Value	Unit
<b>Injection Molding</b>		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	240 - 265	°C
Front - Zone 3 Temperature	260 - 270	°C
Middle - Zone 2 Temperature	245 - 255	°C
Rear - Zone 1 Temperature	220 - 230	°C
Mold Temperature	80 - 100	°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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