

## LNP\* Colorcomp\* Compound R1000

Americas: COMMERCIAL

LNP\* Colorcomp\* R is an unfilled Nylon 6/6.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yield, 5 mm/min	79	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	11	%	ISO 527
Tensile Strain, break, 5 mm/min	45	%	ISO 527
Tensile Modulus, 1 mm/min	2990	MPa	ISO 527
Flexural Stress	33	MPa	ISO 178
Flexural Modulus, 2 mm/min	2900	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, notched 80*10*4 +23°C	140	kJ/m <sup>2</sup>	ISO 180/1A
Charpy Impact, notched, 23°C	165	kJ/m <sup>2</sup>	ISO 179/2C
Charpy Impact, notched, -30°C	139	kJ/m <sup>2</sup>	ISO 179/2C
THERMAL	Value	Unit	Standard
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	200	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	70	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Mold Shrinkage, flow (5)	1.2	%	SABIC Method
Mold Shrinkage, xflow (5)	1.4	%	SABIC Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183

Source GMD, last updated:2010/07/26

### 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.

(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

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