

## SABIC Innovative Plastics LNP COLORCOMP PX99848 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

LNP\* COLORCOMP\* PX99848 is an unfilled Nylon 6 resin.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-COLORCOMP-PX99848-PA-6.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-COLORCOMP-PX99848-PA-6.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	1.30 %	1.30 %	50% RH, 24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	76.0 MPa	11000 psi	ASTM D638
Tensile Strength, Yield	76.0 MPa	11000 psi	ASTM D638
Elongation at Break	4.5 %	4.5 %	ASTM D638
Elongation at Yield	3.5 %	3.5 %	ASTM D638
Tensile Modulus	3.46 GPa	502 ksi	50 mm/min; ASTM D638
Flexural Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	2.88 GPa	418 ksi	ASTM D790
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.40 J/cm	12.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	180 °C @Thickness 3.20 mm	356 °F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C @Thickness 3.20 mm	135 °F @Thickness 0.126 in	unannealed; ASTM D648

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