

LNP™ COLORCOMP™ PX99848 compound

Polyamide 6

SABIC Innovative Plastics

Message:

LNP COLORCOMP PX99848 is an unfilled Nylon 6 resin.

Also known as: LNP* COLORCOMP* Compound PDX-P-99848

Product reorder name: PX99848

General Information			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	1.2	%	
Across Flow : 24 hr	1.4	%	
Water Absorption (24 hr, 50% RH)	1.3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3470	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	76.5	MPa	
Break	76.5	MPa	
Tensile Elongation			ASTM D638
Yield	3.5	%	
Break	4.5	%	
Flexural Modulus	2890	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Unnotched Izod Impact (23°C)	640	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	180	°C	
1.8 MPa, Unannealed, 3.20 mm	57.2	°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	249 to 260	°C	
Middle Temperature	266 to 277	°C	
Front Temperature	277 to 288	°C	
Processing (Melt) Temp	266 to 277	°C	

Mold Temperature	82.2 to 93.3	°C
Back Pressure	0.344 to 0.689	MPa
Screw Speed	30 to 60	rpm

NOTE

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| 1. | 50 mm/min |
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Recommended distributors for this material

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