

LNP™ COLORCOMP™ COMPOUND PX99848

PDX-P-99848
REGION AMERICAS

DESCRIPTION

LNP COLORCOMP PX99848 is an unfilled Nylon 6 resin.

TYPICAL PROPERTY VALUES

Revision 20170816

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	76	MPa	ASTM D 638
Tensile Stress, break	76	MPa	ASTM D 638
Tensile Strain, yield	3.5	%	ASTM D 638
Tensile Strain, break	4.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	3460	MPa	ASTM D 638
Flexural Stress	103	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	640	J/m	ASTM D 4812
Izod Impact, notched, 23°C	58	J/m	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	180	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	57	°C	ASTM D 648
PHYSICAL			
Density	1.14	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	1.3	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	120	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	140	%	ASTM D 955
MECHANICAL PROPERTIES			
Flexural modulus	2880	MPa	ISO 178/1A
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	265 – 275	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Front - Zone 3 Temperature	275 – 290	°C	
Middle - Zone 2 Temperature	265 – 275	°C	
Rear - Zone 1 Temperature	250 – 260	°C	
Mold Temperature	80 – 95	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	30 – 60	rpm	

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

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