



LNP™ COLORCOMP™ Compound PX99848

Americas: COMMERCIAL

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

Product reorder name: PX99848

LNP COLORCOMP PX99848 is an unfilled Nylon 6 resin.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	780	kgf/cm ²	ASTM D 638
Tensile Stress, break	780	kgf/cm ²	ASTM D 638
Tensile Strain, yield	3.5	%	ASTM D 638
Tensile Strain, break	4.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	35300	kgf/cm ²	ASTM D 638
Flexural Stress	1050	kgf/cm ²	ASTM D 790
Flexural Modulus	29400	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	65	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	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



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	265 - 275	°C
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