

# LNP™ COLORCOMP™ NX05467 compound

Polycarbonate + ABS

SABIC Innovative Plastics

Message:

LNP COLORCOMP NX05467 is an unfilled Polycarbonate+ABS resin. Added features of this material are: Non-Chlorinated, Non-Brominated Flame Retardant.  
Also known as: LNP\* COLORCOMP\* Compound Cycoloy C6200  
Product reorder name: NX05467

General Information			
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			Internal Method
Flow	0.40 to 0.60	%	
Across Flow	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	66.8	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	87.0 to 91.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Electric Strength			IEC 60243-1
0.800 mm, in Oil	890	kV/mm	
1.60 mm, in Oil	640	kV/mm	
3.20 mm, in Oil	430	kV/mm	
Relative Permittivity			IEC 60250
60 Hz	2.80		
1 MHz	2.70		
Dissipation Factor			IEC 60250
50 Hz	4.0E-3		
60 Hz	4.0E-3		

1 MHz	8.0E-3		
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.700 mm	HB		
1.20 mm	V-1		
1.50 mm	V-0		
2.10 mm	5VB		
3.40 mm	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 87.8	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Max Moisture	0.040	%	
Suggested Shot Size	30 to 80	%	
Rear Temperature	221 to 254	°C	
Middle Temperature	221 to 266	°C	
Front Temperature	243 to 277	°C	
Nozzle Temperature	243 to 277	°C	
Processing (Melt) Temp	243 to 277	°C	
Mold Temperature	60.0 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.038 to 0.076	mm	

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#### Recommended distributors for this material

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