



LNP™ COLORCOMP™ Compound NX05467

Americas: COMMERCIAL

Also known as: LNP™ COLORCOMP™ Compound Cycoloy C6200

Product reorder name: NX05467

LNP COLORCOMP NX05467 is an unfilled Polycarbonate+ABS resin. Added features of this material are: Non-Chlorinated, Non-Brominated Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	680	kgf/cm ²	ASTM D 638
Tensile Strain, break	50	%	ASTM D 638
Flexural Stress	1050	kgf/cm ²	ASTM D 790
Flexural Modulus	27400	kgf/cm ²	ASTM D 790
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	87 - 91	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.18	-	ASTM D 792
Mold Shrinkage, flow (5)	0.4 - 0.6	%	SABIC Method
Mold Shrinkage, xflow (5)	0.4 - 0.6	%	SABIC Method
ELECTRICAL			
Volume Resistivity	1.E+15	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+15	Ohm	ASTM D 257
Dielectric Strength, in oil, 0.8 mm	890	kV/mm	IEC 60243-1
Dielectric Strength, in oil, 1.6 mm	640	kV/mm	IEC 60243-1
Dielectric Strength, in oil, 3.2 mm	430	kV/mm	IEC 60243-1
Relative Permittivity, 60 Hz	2.8	-	IEC 60250
Relative Permittivity, 1 MHz	2.7	-	IEC 60250
Dissipation Factor, 50/60 Hz	0.004	-	IEC 60250
Dissipation Factor, 1 MHz	0.008	-	IEC 60250
FLAME CHARACTERISTICS			
UL Recognized, 94HB Flame Class Rating (3)	0.7	mm	UL 94
UL Recognized, 94V-1 Flame Class Rating (3)	1.2	mm	UL 94
UL Recognized, 94V-0 Flame Class Rating (3)	1.5	mm	UL 94
UL Recognized, 94-5VA Rating (3)	3.4	mm	UL 94



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FLAME CHARACTERISTICS UL Recognized, 94-5VB Rating (3)	2.1	mm	UL 94



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80 - 90	°C
Drying Time	3 - 4	hrs
Drying Time (Cumulative)	8	hrs
Maximum Moisture Content	0.04	%
Melt Temperature	245 - 275	°C
Nozzle Temperature	245 - 275	°C
Front - Zone 3 Temperature	245 - 275	°C
Middle - Zone 2 Temperature	220 - 265	°C
Rear - Zone 1 Temperature	220 - 255	°C
Mold Temperature	60 - 80	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	40 - 70	rpm
Shot to Cylinder Size	30 - 80	%
Vent Depth	0.038 - 0.076	mm