

LNP™ COLORCOMP™ DX06407H compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP COLORCOMP DX06407H is an unfilled Polycarbonate. Added features of this material include: Easy Molding, Mold Release, Healthcare

Also known as: LNP* COLORCOMP* Compound D-1000 EM MR HC

Product reorder name: DX06407H

General Information			
Additive	Mold Release		
Features	Good Mold Release		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.70 to 0.90	%	
Across Flow : 24 hr	1.0 to 3.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2350	MPa	ASTM D638
--	2310	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	63.0	MPa	ASTM D638
Yield	65.0	MPa	ISO 527-2/5
Break ³	58.0	MPa	ASTM D638
Break	54.0	MPa	ISO 527-2/5
Tensile Elongation			
Yield ⁴	6.2	%	ASTM D638
Yield	6.3	%	ISO 527-2/5
Break ⁵	94	%	ASTM D638
Break	100	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁶	2400	MPa	ASTM D790
-- ⁷	2290	MPa	ISO 178
Flexural Stress	91.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	780	J/m	ASTM D256
23°C ⁸	9.9	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			

23°C	1300	J/m	ASTM D4812
23°C ⁹	220	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	63.0	J	ASTM D3763
--	69.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	94.0	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ¹⁰	96.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	103	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹¹	104	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	
Middle Temperature	310 to 321	°C	
Front Temperature	321 to 332	°C	
Processing (Melt) Temp	304 to 327	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	Type I, 5.0 mm/min		
5.	Type I, 5.0 mm/min		
6.	1.3 mm/min		
7.	2.0 mm/min		
8.	80*10*4		
9.	80*10*4		
10.	80*10*4 mm		
11.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

