

LNP™ COLORCOMP™ COMPOUND DX98550H

PDX-D-98550 LE
REGION AMERICAS

DESCRIPTION

LNP COLORCOMP DX98550H is an unfilled Polycarbonate resin. Added features of this grade are: Low Extractable, Healthcare.

TYPICAL PROPERTY VALUES

Revision 20170816

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	65	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	60	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	120	%	ASTM D 638
Tensile Modulus, 5 mm/min	2410	MPa	ASTM D 638
Flexural Stress	86	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2340	MPa	ASTM D 790
THERMAL			
CTE, -40°C to 40°C, flow	3.3E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	3.3E-05	1/°C	ASTM E 831
PHYSICAL			
Specific Gravity	1.2	-	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.6 – 0.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.6 – 0.8	%	ASTM D 955
ELECTRICAL			
Volume Resistivity	1.E+16	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+16	Ohm	ASTM D 257
Dissipation Factor, 1 MHz	0.01	-	ASTM D 150
INJECTION MOLDING			
Drying Temperature	120	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	300 – 315	°C	
Front - Zone 3 Temperature	310 – 320	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Middle - Zone 2 Temperature	305 – 315	°C	
Rear - Zone 1 Temperature	295 – 305	°C	
Mold Temperature	80 – 110	°C	
Back Pressure	0.2 – 0.3	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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