

LNP™ STAT-LOY™ COMPOUND M3000C

M- CCS
REGION AMERICAS

DESCRIPTION

LNP STAT-LOY M3000C is a compound based on unfilled Polypropylene resin. Added features of this grade include: Clean Compound System, Antistat.

TYPICAL PROPERTY VALUES

Revision 20170816

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	18	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	689	%	ASTM D 638
Tensile Modulus, 50 mm/min	760	MPa	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	24	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	860	MPa	ASTM D 790
Tensile Stress, break, 5 mm/min	24	MPa	ISO 527
Tensile Strain, break, 5 mm/min	690	%	ISO 527
Tensile Modulus, 1 mm/min	1180	MPa	ISO 527
Flexural Stress	38	MPa	ISO 178
Flexural Modulus, 2 mm/min	1960	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	75	J/m	ASTM D 256
Multiaxial Impact	25	J	ISO 6603
Instrumented Impact Total Energy, 23°C	29	J	ASTM D 3763
Izod Impact, notched 80*10*4 +23°C	6	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	74	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	49	°C	ASTM D 648
CTE, -30°C to 30°C, flow	1.28E-04	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	1.31E-04	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	75	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	49	°C	ISO 75/Af
PHYSICAL			

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Density	0.93	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.16	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	1 – 2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1 – 2	%	ASTM D 955
Density	0.93	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.16	%	ISO 62
ELECTRICAL			
Surface Resistivity	1.E+10 – 1.E+12	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	70 – 80	°C	
Drying Time	4	hrs	
Melt Temperature	190 – 200	°C	
Front - Zone 3 Temperature	200 – 210	°C	
Middle - Zone 2 Temperature	195 – 205	°C	
Rear - Zone 1 Temperature	180 – 195	°C	
Mold Temperature	30 – 50	°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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