LNP™ STAT-LOY™ COMPOUND M3000

M
REGION EUROPE

DESCRIPTION

LNP STAT-LOY* M3000 is a compound based on unfilled Polypropylene resin. Added feature of this material is: Antistat.

TYPICAL PROPERTY VALUES

Revision 20190717

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 50 mm/min	28	MPa	ISO 527
Tensile Stress, break, 50 mm/min	8	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	7.4	%	ISO 527
Tensile Strain, break, 50 mm/min	>100	%	ISO 527
Tensile Modulus, 1 mm/min	1350	MPa	ISO 527
Flexural Stress, break, 2 mm/min	34	MPa	ISO 178
Flexural Modulus, 2 mm/min	1200	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.21E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.51E-04	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	59	°C	ISO 75/Af
PHYSICAL			
Density	0.95	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+09 – 1.E+11	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	

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