LNP™ STAT-LOY™ COMPOUND 93000LTH

93000LTH

DESCRIPTION

LNP STAT-LOY 93000LTH is a compound based on Acrylic resin. Added features of this material include: Antistatic, Transparent and Formulation Locked.

TYPICAL PROPERTY VALUES

Revision 20191212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	40	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	7	%	ASTM D 638
Tensile Modulus, 5 mm/min	1780	MPa	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	47	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	1470	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	667	J/m	ASTM D 4812
Izod Impact, notched, 23°C	40	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	66	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.15	-	ASTM D 792
ELECTRICAL			
Volume Resistivity	1000000000 – 100000000000	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+09 – 1.E+11	Ohm	ASTM D 257
Static Decay, 5000V to <50V	<1	< seconds	FTMS101B
INJECTION MOLDING			
Drying Temperature	70 – 80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.05 – 0.1	%	
Melt Temperature	200 – 210	°C	
Front - Zone 3 Temperature	205 – 215	°C	
Middle - Zone 2 Temperature	195 – 205	°C	
Rear - Zone 1 Temperature	180 – 195	°C	
Mold Temperature	10 – 50	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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