LNP™ STAT-LOY™ COMPOUND KX01002

DESCRIPTION

LNP STAT-LOY KX01002 is a compound based on Acetal Copolymer resin containing Antistat. Added features include: Permanent Anti-Static.

TYPICAL PROPERTY VALUES

Revision 20191210

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	43	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	15.8	%	ISO 527
Tensile Modulus, 1 mm/min	1600	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	52	MPa	ISO 178
Flexural Modulus, 2 mm/min	1600	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	14	kJ/m²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	136	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	64	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	2.8	%	SABIC method
Density	1.35	g/cm³	ISO 1183
Water Absorption, 23°C/24hrs	4.8	%	ISO 62-1
ELECTRICAL			
Volume Resistivity	10000000000 – 1000000000000	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+10 – 1.E+12	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Melt Temperature	195 – 205	°C	
Front - Zone 3 Temperature	200 – 210	°C	
Middle - Zone 2 Temperature	190 – 200	°C	
Rear - Zone 1 Temperature	175 – 190	°C	
Mold Temperature	70 – 95	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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