LNP™ STAT-LOY™ COMPOUND KX09024

KX09024

DESCRIPTION

LNP STAT-LOY KX09024 is a compound based on Polyacetal with reduced Resistivity. Added features include: Antistatic Properties

TYPICAL PROPERTY VALUES

Revision 20191212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Strain, break, 5 mm/min	12	%	ISO 527
Tensile Modulus, 1 mm/min	1000	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	48	MPa	ISO 178
Flexural Modulus, 2 mm/min	1400	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	9	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.44E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.59E-04	1/°C	ISO 11359-2
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	67	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	2.8	%	SABIC method
Density	1.27	g/cm³	ISO 1183
ELECTRICAL			
Volume Resistivity	100000000 – 10000000000	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+08 – 1.E+10	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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