LNP™ STAT-KON™ COMPOUND KEL32

DESCRIPTION

LNP LUBRICOMP KEL32 is a compound based on Acetal Copolymer resin containing Carbon Fiber, PTFE. Added features include: Electrically Conductive, Internally Lubricated.

TYPICAL PROPERTY VALUES

Revision 20191219

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	51	MPa	ISO 527
Tensile Strain, break, 5 mm/min	4	%	ISO 527
Tensile Modulus, 1 mm/min	8400	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	80	MPa	ISO 178
Flexural Stress, break, 2 mm/min	62	MPa	ISO 178
Flexural Strain, break, 2 mm/min	6.4	%	ISO 178
Flexural Modulus, 2 mm/min	6000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	15	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	141	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	0.32	%	SABIC method
Density	1.51	g/cm³	ISO 1183
Water Absorption, 23°C/24hrs	0.31	%	ISO 62-1
ELECTRICAL			
Surface Resistivity	1.E+02 – 1.E+04	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Melt Temperature	200 – 215	°C	
Front - Zone 3 Temperature	210 – 220	°C	
Middle - Zone 2 Temperature	195 – 205	°C	
Rear - Zone 1 Temperature	175 – 190	°C	
Mold Temperature	80 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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