



LNP™ STAT-KON™ Compound KEL22A

Europe-Africa-Middle East: COMMERCIAL

LNP LUBRICOMP KEL22A is a compound based on Acetal Homopolymer resin containing Carbon Fiber, PTFE. Added features include: Electrically Conductive, Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	56	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	1	%	ISO 527
Tensile Modulus, 1 mm/min	8400	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	89	MPa	ISO 178
Flexural Stress, break, 2 mm/min	82	MPa	ISO 178
Flexural Strain, break, 2 mm/min	7.9	%	ISO 178
Flexural Modulus, 2 mm/min	6100	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	20	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.19E-04	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	135	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.33	%	SABIC Method
Density	1.48	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.5	%	ISO 62-1
ELECTRICAL			
Surface Resistivity	1.E+02 - 1.E+03	Ohm	ASTM D 257



LNP™ STAT-KON™ Compound KEL22A
Europe-Africa-Middle East: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
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