



LNP™ LUBRICOMP™ Compound LX92134

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PDX-L-92134

Product reorder name: LX92134

LNP* LUBRICOMP* LX92134 is a compound based on Polyetheretherketone resin containing proprietary fillers. Added features of this material include: High Temperature Bearing Grade, Internally lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	73	MPa	ISO 527
Tensile Stress, break, 5 mm/min	72	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	4.7	%	ISO 527
Tensile Strain, break, 5 mm/min	6.8	%	ISO 527
Tensile Modulus, 1 mm/min	3700	MPa	ISO 527
Flexural Stress, break, 2 mm/min	118	MPa	ISO 178
Flexural Strain, break, 2 mm/min	6.3	%	ISO 178
Flexural Modulus, 2 mm/min	3600	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	45	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	5.1E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	6.E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	201	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	152	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	1 - 1.4	%	SABIC Method
Wear Factor Washer	41	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified: Instr.
Dynamic COF	0.37	-	ASTM D 3702 Modified: Instr.
Static COF	0.8	-	ASTM D 3702 Modified: Instr.
Density	1.53	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.1	%	ISO 62-1



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.1	%
Melt Temperature	380 - 390	°C
Front - Zone 3 Temperature	380 - 395	°C
Middle - Zone 2 Temperature	365 - 375	°C
Rear - Zone 1 Temperature	350 - 360	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm