



LNP™ LUBRICOMP™ Compound EFL24P

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound EFL-4024 EP

Product reorder name: EFL24P

LNP LUBRICOMP EFL24P is a compound based on Polyetherimide resin containing 20% Glass Fiber, 10% PTFE. Added features of this grade include: Wear Resistant, Exceptional Processing.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	1480	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	1930	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	65900	kgf/cm ²	ASTM D 790
Tensile Strain, break, 5 mm/min	2.3	%	ISO 527
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	213	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.48	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.18	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm (5)	0.2 - 0.3	%	SABIC Method
Wear Factor Washer	154	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.43	-	ASTM D 3702 Modified
Static COF	0.41	-	ASTM D 3702 Modified
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4 - 6	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	360 - 365	°C
Front - Zone 3 Temperature	365 - 375	°C
Middle - Zone 2 Temperature	355 - 365	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	120 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm