

# LNP™ LUBRICOMP™ EFL24P compound

Polyether Imide  
SABIC Innovative Plastics

Message:

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.

Also known as: LNP\* LUBRICOMP\* Compound EFL-4024 EP

Product reorder name: EFL24P

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	PTFE Lubricant (10%)		
Features	Good Processability		
	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.30	%	Internal Method
Water Absorption (24 hr, 50% RH)	0.18	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	146	MPa	ASTM D638
Tensile Strain (Break)	2.3	%	ISO 527-2/5
Flexural Modulus <sup>2</sup> (50.0 mm Span)	6470	MPa	ASTM D790
Flexural Strength <sup>3</sup> (Break, 50.0 mm Span)	190	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.43		
vs. Itself - Static	0.41		
Wear Factor - Washer	154	10 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr	ASTM D3702 Modified
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	213	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	343 to 354	°C	
Middle Temperature	354 to 366	°C	

Front Temperature	366 to 377	°C
Processing (Melt) Temp	360 to 366	°C
Mold Temperature	121 to 149	°C
Back Pressure	0.344 to 0.689	MPa
Screw Speed	60 to 100	rpm

#### NOTE

- |    |                    |
|----|--------------------|
| 1. | Type I, 5.0 mm/min |
| 2. | 1.3 mm/min         |
| 3. | 1.3 mm/min         |

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#### Recommended distributors for this material

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