

## LNP Lubricomp® LL-4040 Polyetheretherketone, PTFE Additive (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, PTFE-Filled

### Material Notes:

Features: Lubricated Forms: Pellets Processing Method: Injection Molding Information provided by LNP, a GE Plastics Company. This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LNP-Lubricomp-LL-4040-Polyetheretherketone-PTFE-Additive-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_LNP-Lubricomp-LL-4040-Polyetheretherketone-PTFE-Additive-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	Method A; ASTM D792
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.019 cm/cm	0.019 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	69.6 MPa	10100 psi	ASTM D638
Tensile Strength, Yield	74.5 MPa	10800 psi	ASTM D638
Elongation at Break	23 %	23 %	ASTM D638
Elongation at Yield	5.8 %	5.8 %	ASTM D638
Tensile Modulus	2.90 GPa	421 ksi	ASTM D638
Flexural Strength	117 MPa	17000 psi	ASTM D790
Flexural Modulus	2.96 GPa	429 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm @Thickness 3.18 mm	1.80 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	15.5 J/cm @Thickness 3.18 mm	29.0 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	8.80 kJ/m <sup>2</sup>	4.19 ft-lb/in <sup>2</sup>	ISO 180
Izod Impact, Unnotched (ISO)	91.2 kJ/m <sup>2</sup>	43.4 ft-lb/in <sup>2</sup>	ISO 180
Falling Dart Impact	2.80 J	2.07 ft-lb	ASTM D3763
Impact Test	1.35 J	0.996 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2

Mechanical Properties	Metric	English	Comments
Coefficient of Friction, Dynamic	0.32	0.32	40 psi, 50 ft/min, tested in accordance with LNP WI-0687; ASTM D1894
Coefficient of Friction, Static	0.43	0.43	vs. Steel @ 40 psi, tested in accordance with LNP WI-0687; ASTM D1894
K (wear) Factor	258 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	128 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	40psi, 50ft/min; tested in accordance with LNP WI-0687

Processing Properties	Metric	English	Comments
Melt Temperature	379 - 388 °C	714 - 730 °F	
Mold Temperature	135 - 163 °C	275 - 325 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.10 %	0.10 %	Suggested
Back Pressure	0.345 - 0.689 MPa	50.0 - 99.9 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China