

**SABIC Innovative Plastics LNP LUBRICOMP LX91475 PEEK (Asia Pacific)**

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

**Material Notes:**

LNP\* LUBRICOMP\* LX91475 is a compound based on Polyetheretherketone resin containing Bearing Grade. Added features of this material include: Easy Molding.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-LX91475-PEEK-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-LX91475-PEEK-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	139 MPa	20200 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Tensile Modulus	11.03 GPa	1600 ksi	50 mm/min; ASTM D638
Flexural Strength	206 MPa	29900 psi	ASTM D790
Flexural Modulus	10.34 GPa	1500 ksi	ASTM D790
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.80 J/cm	8.99 ft-lb/in	ASTM D4812
Coefficient of Friction, Dynamic	0.36	0.36	ASTM D3702 Modified
Coefficient of Friction, Static	0.23	0.23	ASTM D3702 Modified
K (wear) Factor	24.2 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	12.0 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	290 Å°C @Thickness 3.20 mm	554 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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