

## SABIC Innovative Plastics LNP LUBRICOMP Noryl\_NF1520 PPE+PS

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

### Material Notes:

LNP\* Lubricomp\* Noryl\_NF1520 compound is a 20% glass reinforced, 15% PTFE. Wear resistant; 211F HDT @ 264 psi.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-NorylNF1520-PPEPS.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-NorylNF1520-PPEPS.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm @Thickness 3.20 mm	0.0015 - 0.0025 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0025 - 0.0045 cm/cm @Thickness 3.20 mm	0.0025 - 0.0045 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	74.0 MPa	10700 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	74.0 MPa	10700 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	4.2 %	4.2 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	101 MPa	14600 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	5.30 GPa	769 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	0.740 J/cm	1.39 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.57 J/cm	6.69 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	16.0 J @Temperature 23.0 Â°C	11.8 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Coefficient of Friction, Dynamic	0.46	0.46	steel; ASTM D1894
Coefficient of Friction, Static	0.30	0.30	steel; ASTM D1894
K (wear) Factor	147 x 10 <sup>-8</sup> mmÂ³/N-M	73.0 x 10 <sup>-10</sup> inÂ³- min/ft-lb-hr	PV=2000 psi-fpm vs Self; SABIC Method

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 Â°C	216 Â°F	unannealed; ASTM D648

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
	105 Å°C	221 Å°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	96.0 Å°C	205 Å°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
	99.0 Å°C	210 Å°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
UL RTI, Electrical	50.0 Å°C	122 Å°F	UL 746B
UL RTI, Mechanical with Impact	50.0 Å°C	122 Å°F	UL 746B
UL RTI, Mechanical without Impact	50.0 Å°C	122 Å°F	UL 746B
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.49 mm	@Thickness 0.0587 in	

## 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