

## SABIC Innovative Plastics LNP LUBRICOMP UL002S PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

### Material Notes:

LNP\* LUBRICOMP\* UL002S is a compound based on Polyphthalamide resin containing 10% PTFE. Added features of this grade include:  
Heat Stabilized, Wear Resistant.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-UL002S-PPA.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-UL002S-PPA.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	ASTM D792
	1.26 g/cc	0.0455 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.470 %	0.470 %	50% RH, 24 hrs; ASTM D570
	0.730 %	0.730 %	23°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0090 - 0.020 cm/cm	0.0090 - 0.020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	Type I, 5 mm/min; ASTM D638
	60.0 MPa	8700 psi	5 mm/min; ISO 527
Tensile Strength, Yield	58.0 MPa	8410 psi	5 mm/min; ISO 527
	60.0 MPa	8700 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.2 %	2.2 %	Type I, 5 mm/min; ASTM D638
	2.2 %	2.2 %	5 mm/min; ISO 527
Elongation at Yield	2.1 %	2.1 %	5 mm/min; ISO 527
	2.2 %	2.2 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	3.17 GPa	460 ksi	50 mm/min; ASTM D638
	3.21 GPa	466 ksi	1 mm/min; ISO 527
Flexural Strength	105 MPa	15200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength			1.3 mm/min, 50 mm span; ASTM

Mechanical Properties	105 MPa Metric	15200 psi English	D790 Comments
Flexural Modulus	2.98 GPa	432 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.260 J/cm	0.487 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.53 J/cm	8.49 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	2.00 kJ/m <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	27.0 kJ/m <sup>2</sup>	12.8 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	2.00 J @Temperature 23.0 °C	1.48 ft-lb @Temperature 73.4 °F	ASTM D3763
Coefficient of Friction, Dynamic	0.26	0.26	ASTM D3702 Modified
Coefficient of Friction, Static	0.16	0.16	ASTM D3702 Modified
K (wear) Factor	40.3 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	20.0 x 10 <sup>-10</sup> in <sup>3</sup> - min/ft-lb-hr	Washer; ASTM D3702 Modified

## 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