

## SABIC Innovative Plastics LNP LUBRICOMP UCL36S PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

### Material Notes:

LNP\* LUBRICOMP\* UCL36S is a compound based on Polyphthalamide resin containing 15% PTFE, 30% Carbon Fiber. Added features of this material include: Wear Resistant, Heat Stabilized, Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-UCL36S-PPA.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-UCL36S-PPA.php)

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	214 MPa	31000 psi	ISO 527
	216 MPa	31300 psi	ASTM D638
Elongation at Break	1.2 %	1.2 %	ISO 527
	1.6 %	1.6 %	ASTM D638
Tensile Modulus	20.13 GPa	2920 ksi	50 mm/min; ASTM D638
Flexural Strength	324 MPa	47000 psi	ASTM D790
	334 MPa	48400 psi	ISO 178
Flexural Modulus	18.82 GPa	2730 ksi	ASTM D790
	22.7 GPa	3290 ksi	ISO 178
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.39 J/cm	17.6 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	39.0 kJ/m <sup>2</sup>	18.6 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.36	0.36	ASTM D3702 Modified
Coefficient of Friction, Static	0.27	0.27	ASTM D3702 Modified
K (wear) Factor	32.2 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	16.0 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
	279 Â°C	534 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (104 psi)	@ Thickness 3.20 mm	@ Thickness 0.126 in	unannealed; ASTM D648
Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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