

## SABIC Innovative Plastics LNP LUBRICOMP OX90351 PPS

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### Material Notes:

LNP LUBRICOMP\* OX90351 is a compound based on Polyphenylene Sulfide resin containing Proprietary Filler(s). Added feature of this material is: Wear Resistant.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-OX90351-PPS.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-OX90351-PPS.php)

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in <sup>3</sup>	ASTM D792
	1.67 g/cc	0.0603 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.0100 %	0.0100 %	50% RH, 24 hrs; ASTM D570
	0.530 %	0.530 %	23 <sup>o</sup> C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0022 cm/cm	0.0022 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0060 cm/cm	0.0060 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	96.0 MPa	13900 psi	ISO 527
	100 MPa	14500 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
	1.5 %	1.5 %	ISO 527
Tensile Modulus	9.71 GPa	1410 ksi	1 mm/min; ISO 527
	10.27 GPa	1490 ksi	50 mm/min; ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
	154 MPa	22300 psi	ISO 178

Flexural Modulus Mechanical Properties	9.17 GPa Metric	1330 ksi English	ASTM D790 Comments
	9.38 GPa	1360 ksi	ISO 178
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.84 J/cm	7.19 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	20.0 kJ/m <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	2.00 J	1.48 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	Flatw 80*10*4 sp=64mm; ISO 75/ Af
	261 °C @Thickness 3.20 mm	502 °F @Thickness 0.126 in	unannealed; ASTM D648

## 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