

## SABIC Innovative Plastics LNP LUBRILOY D2000I PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP\* Lubriloy\* D2000I is a compound based on Polycarbonate resin containing Proprietary Lubricant. Added features of this material include: Internally Lubricated.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRILOY-D2000I-PC-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRILOY-D2000I-PC-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	54.0 MPa	7830 psi	ASTM D638
Tensile Strength, Yield	49.0 MPa	7110 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Elongation at Yield	5.6 %	5.6 %	ASTM D638
Flexural Strength	68.0 MPa	9860 psi	ASTM D790
Flexural Modulus	1.86 GPa	270 ksi	ASTM D790
Izod Impact, Notched	7.79 J/cm	14.6 ft-lb/in	ASTM D256
	5.42 J/cm	10.2 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Unnotched	17.62 J/cm	33.01 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	43.0 kJ/m <sup>2</sup>	20.5 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Coefficient of Friction, Dynamic	0.32	0.32	ASTM D3702 Modified
Coefficient of Friction, Static	0.22	0.22	ASTM D3702 Modified
K (wear) Factor	70.5 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	35.0 x 10 <sup>-10</sup> in <sup>3</sup> - min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.1 µm/m-°C	44.5 µin/in-°F	ISO 11359-2

Thermal Properties	Metric @Temperature -40.0 - 40.0 Å°C	English @Temperature -40.0 - 104 Å°F	Comments
	131 Åµm/m-Å°C	72.8 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	85.4 Åµm/m-Å°C	47.4 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
	135 Åµm/m-Å°C	75.0 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	120 Å°C	248 Å°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 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