

## SABIC Innovative Plastics LNP LUBRICOMP DFL329 PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP LUBRICOMP\* DFL329 is a compound based on Polycarbonate resin containing 10% Glass Fiber, 15% PTFE. Added features of this material include: Flame Retardant, Internally Lubricated.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL329-PC.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DFL329-PC.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ISO 1183
	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.120 %	0.120 %	50% RH, 24 hrs; ASTM D570
	0.150 %	0.150 %	23°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0033 cm/cm	0.0033 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0049 cm/cm	0.0049 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	74.0 MPa	10700 psi	ISO 527
	75.0 MPa	10900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ISO 527
	3.0 %	3.0 %	ASTM D638
Tensile Modulus	4.34 GPa	629 ksi	50 mm/min; ASTM D638
	4.50 GPa	653 ksi	1 mm/min; ISO 527
Flexural Strength	127 MPa	18400 psi	ISO 178
	129 MPa	18700 psi	ASTM D790

Flexural Modulus Mechanical Properties	4.27 GPa Metric	619 ksi English	ASTM D790 Comments
	4.60 GPa	667 ksi	ISO 178
Izod Impact, Notched	1.81 J/cm	3.39 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.50 J/cm	10.3 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	38.0 kJ/m <sup>2</sup>	18.1 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	18.0 J	13.3 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	3.00 J	2.21 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	44.8 µm/m-°C	24.9 µin/in-°F	ISO 11359-2
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
	44.8 µm/m-°C	24.9 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
CTE, linear, Transverse to Flow	49.8 µm/m-°C	27.7 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
Deflection Temperature at 0.46 MPa (66 psi)	146 °C	295 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	286 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 1.70 mm	@Thickness 0.0669 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : 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