

## SABIC Innovative Plastics Lexan® LGN2000 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Lexan-LGN2000-PC-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-LGN2000-PC-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792
Water Absorption	0.16 % @Time 86400 sec	0.16 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm @Thickness 3.20 mm	0.0020 - 0.0030 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	91	91	ASTM D785
Tensile Strength, Yield	86.0 MPa	12500 psi	SABIC - Japan Method
Elongation at Break	4.0 - 6.0 %	4.0 - 6.0 %	SABIC - Japan Method
Flexural Strength	147 MPa	21300 psi	ASTM D790
Flexural Modulus	5.29 GPa	767 ksi	ASTM D790
Izod Impact, Notched	0.880 J/cm	1.65 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	29.0 - 53.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature -30.0 - 30.0 $^\circ\text{C}$	16.1 - 29.4 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature -22.0 - 86.0 $^\circ\text{F}$	TMA
Deflection Temperature at 0.46 MPa (66 psi)	148 $^\circ\text{C}$ @Thickness 3.20 mm	298 $^\circ\text{F}$ @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-2 @Thickness 0.750 mm	V-2 @Thickness 0.0295 in	UL 94
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	UL 94

Electrical Properties	Metric	English	Comments
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Electrical Properties	1.00e+16 ohm Metric	1.00e+16 ohm English	ASTM D257 Comments
Dielectric Constant	3.2 @Frequency 50.0 - 60.0 Hz	3.2 @Frequency 50.0 - 60.0 Hz	ASTM D150

## Contact Songhan Plastic Technology Co.,Ltd.

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