

SABIC Innovative Plastics LNP LUBRICOMP Lexan_LF1010 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-LNP-LUBRICOMP-LexanLF1010-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Water Absorption	0.12 % @Time 86400 sec	0.12 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm @Thickness 3.20 mm	0.0030 - 0.0040 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	124	124	ASTM D785
Tensile Strength, Yield	78.0 MPa	11300 psi	SABIC - Japan Method
Elongation at Break	10 - 20 %	10 - 20 %	SABIC - Japan Method
Flexural Strength	109 MPa	15800 psi	ASTM D790
Flexural Modulus	3.53 GPa	512 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 - 56.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	22.2 - 31.1 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	TMA
Deflection Temperature at 0.46 MPa (66 psi)	147 $\text{Å}^\circ\text{C}$ @Thickness 3.20 mm	297 $\text{Å}^\circ\text{F}$ @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257

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