

SABIC Innovative Plastics Lexan® LC108 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Polycarbonate base, 8% carbon fiber reinforced, FR

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-LC108-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.13 %	0.13 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	88	88	ASTM D785
Tensile Strength, Yield	98.0 MPa	14200 psi	SABIC - Japan Method
Elongation at Break	4.0 - 6.0 %	4.0 - 6.0 %	SABIC - Japan Method
Flexural Strength	160 MPa	23200 psi	ASTM D790
Flexural Modulus	5.98 GPa	867 ksi	ASTM D790
Izod Impact, Notched	0.880 J/cm	1.65 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 - 59.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	19.4 - 32.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	TMA
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	142 °C	288 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+8 - 1.00e+12 ohm	1.00e+8 - 1.00e+12 ohm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China