

SABIC Innovative Plastics Lexan® LX2801 Polycarbonate (Unverified Data)**

Categories: [Polymer](#); [Thermoplastic](#); [Polycarbonate \(PC\)](#)

Material Notes: This data was supplied by SABIC-IP for the Asia Pacific region.

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D 792
Water Absorption	0.15 %	0.15 %	24 hrs; ASTM D 570
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	SABIC - Japan Method
Elongation at Break	200 %	200 %	SABIC - Japan Method
Flexural Strength	93.0 MPa	13500 psi	Flexural Stress; ASTM D 790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D 790
Izod Impact, Notched	4.90 J/cm @Temperature 23.0 °C	9.18 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C @Temperature -30.0 - 30.0 °C	38.9 µin/in-°F @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	132 °C @Thickness 3.20 mm	270 °F @Thickness 0.126 in	unannealed; ASTM D 648