

SABIC Innovative Plastics Lexan® LCR200 PBT+PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-LCR200-PBTPC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0060 - 0.0090 cm/cm @Thickness 3.20 mm	0.0060 - 0.0090 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.0 MPa	9140 psi	SABIC - Japan Method
Elongation at Break	220 %	220 %	SABIC - Japan Method
Flexural Strength	84.0 MPa	12200 psi	ASTM D790
Flexural Modulus	2.13 GPa	309 ksi	ASTM D790
Izod Impact, Notched	7.35 J/cm	13.8 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 - 80.0 µm/m-°C @Temperature -30.0 - 30.0 °C	33.3 - 44.4 µin/in-°F @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	120 °C @Thickness 3.20 mm	248 °F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	HB @Thickness 1.40 mm	HB @Thickness 0.0551 in	UL 94

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

Electrical Properties	Hz Metric	Hz English	Comments
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