

SABIC Innovative Plastics Lexan® SLD3000 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Antistatic colorable/opaque FR PC grade

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-SLD3000-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	SABIC Method
	@Thickness 1.50 - 3.20 mm	@Thickness 0.0591 - 0.126 in	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	SABIC Method
	@Thickness 1.50 - 3.20 mm	@Thickness 0.0591 - 0.126 in	
Melt Flow	19 g/10 min	19 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 260 °C	@Load 4.76 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.0 MPa	7540 psi	50 mm/min; ASTM D638
Elongation at Break	200 %	200 %	50 mm/min; ISO 527
Flexural Yield Strength	80.0 MPa	11600 psi	6.4 mm; ASTM D790
Flexural Modulus	2.03 GPa	294 ksi	ASTM D790
Izod Impact, Notched	7.00 J/cm	13.1 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	HB	HB	UL 94
	@Thickness 0.500 mm	@Thickness 0.0197 in	
	V-2	V-2	UL 94
	@Thickness 1.00 mm	@Thickness 0.0394 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.20e+12 ohm	1.20e+12 ohm	ASTM D257

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