

SABIC Innovative Plastics Lexan® NX07331 PC+ABS (Asia Pacific)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

FARADDEX NX07331 is a commercial grade EMI shielding material

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-NX07331-PCABS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.30 - 1.40 g/cc	0.0470 - 0.0506 lb/in ³	ISO 1183
Moisture Absorption	<= 0.0800 %	<= 0.0800 %	23°C / 50% RH; ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 40.0 MPa	>= 5800 psi	UL 1581
Tensile Modulus	>= 3.80 GPa	>= 551 ksi	5 mm/min; ASTM D638
Flexural Modulus	>= 3.40 GPa	>= 493 ksi	6.4 mm; ASTM D790
Izod Impact, Notched (ISO)	>= 100 kJ/m ²	>= 47.6 ft-lb/in ²	80*10*3; ISO 180/1A
Izod Impact, Unnotched (ISO)	>= 500 kJ/m ²	>= 238 ft-lb/in ²	80*10*3; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 120 °C @Thickness 6.40 mm	>= 248 °F @Thickness 0.252 in	unannealed; ASTM D648
Flammability, UL94	HB @Thickness <=1.80 mm	HB @Thickness <=0.0709 in	UL 94

Electrical Properties	Metric	English	Comments
Shielding Effectiveness	>= 40 dB @Thickness 3.00 mm	>= 40 dB @Thickness 0.118 in	SABIC Method

Descriptive Properties	Value	Comments
Melt Flow Rate, 270°C/10 kgf	Y10 - 20g/10 min	ASTM D1238
Surface Resistivity	Y1.E+04 - 1.E+06Ohm	ASTM D257
Tensile Strain, break, 50 mm/min	Y2 - 3.6%	ISO 527

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