

Product

SOLUTIONS

Electronic Insulators

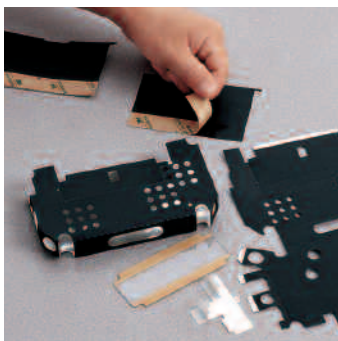
- Custom Parts for Insulating PCB's, Power Supplies, and Other Hardware
- Inexpensive Tooling and Fast Delivery
- High Dielectric Strength Films

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Electronic Insulators Product Selection Guide

Insulator (I)*	Color	Thicknesses Available in mils (ZZ)	UL 94 Flame Rating ^a	Max. Use ^b Temperature	Dielectric Strength(V) ^c
V(B) = PVC V(W) = PVC	Black White	10 10 15	VTM-0 (10 mil) V-0 (15mil)	155 °F	4500 @ 10 mil
E = Polyester (i.e. Mylar ^{®1})	Clear	02 03 04 05 10	VTM-2 (all thicknesses)	300 °F	4500 @ 1 mil
F = Formex ^{®3} Polypropylene	Black White	05 10 17 30 62 10 17 30 62	VTM-0 (5-10 mil) V-0 (15-62 mil)	235 °F	22,000 @ 10 mils
C = Lexan ^{®2} Polycarbonate	Black Clear	10 17 30 05 10 20 30	V-0 (10-30 mil)	275 °F	17,000 @ 10 mils
X = Valox ^{®2} FR-1 Film	White	05 10 15 30	VTM-0 (5-15 mil) V-0 (30 mil)	400 °F	15,650 @ 10 mils
N = Nomex ^{®1} Type 410	Tan	02 07 10 15	V-0 (10-15 mil)	450 °F	8000 @ 10 mils
K = Kapton ^{®1} Type HN	Auburn	01 02 03 05	V-0 (all thicknesses)	500+ °F	7000 @ 1 mil

*Partial Listing Only. Contact us for information on all available products.



INSUL-FAB manufactures dielectric insulators, air baffles, insulating shields and other small plastic parts by die cutting the best insulating films the industry has to offer. With a variety of insulator types and thicknesses, there are many possible options depending on your needs for temperature resistance, dielectric strength, thickness, puncture resistance, UL 94 flammability rating, color, and formability. Utilizing these insulating materials, INSUL-FAB can die cut or laser cut parts to meet your custom specifications with a fast turnaround, and inexpensive tooling.

- Pressure sensitive adhesives may be incorporated for all applications where needed for assembly or installation.
- Features such as score lines can be easily utilized for folding.
- Sample kits of common insulating materials and example applications are available for prototyping.
- Call for availability of additional insulators or more information.

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Dallas, TX • Tyler, TX • Sealy, TX

1-800-442-1338
www.insulfab.net

1 Mylar, Nomex, and Kapton are registered trademarks of E.I. DuPont deNemours & Co., Inc.
2 Lexan and Valox are registered trademarks of GE Plastics.
3 Formex is a registered trademark of ITW, Inc.

a This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
b Maximum recommended usage temperature based upon Heat Deflection Temperature (D-648) and Melt Point.
c ASTM D-149

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