



# PRODUCT NEWS

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## 2 GREAT *New* INSULATION PRODUCTS FROM AUBURN

### Formex™ -Flame Retardant/Moisture Resistant Polypropylene Electrical Insulation

Versatile Formex™ barrier material resists moisture better than any other insulation of its type. The result is a superior performance moisture absorption rate of <0.02%.

Formex™ has the ability to be scored and die cut into almost any configuration for shields, packaging, inserts or insulators. It's durable, long wearing characteristics are unmatched.

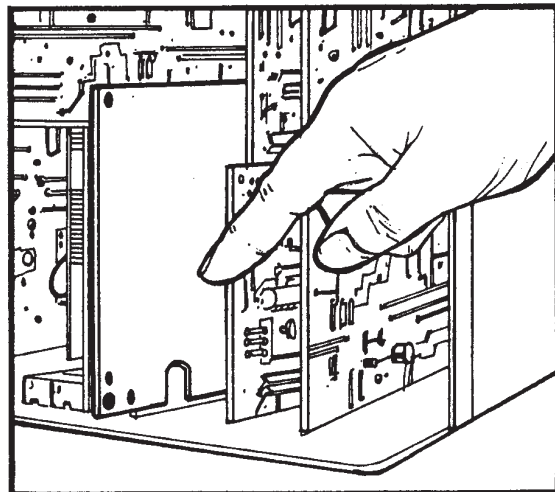
Formex™ is rated 94 V-0 and has a dielectric strength of >1700 V/mil (@ 18 mil).

- Easily fabricated to various configurations
- Moisture resistant
- UL 94 V-0 rated, CSA approved
- Excellent for sonic welding

### Statex™ -Electrostatic Dissipative Insulation

Statex™ offers the same flexible abilities of Formex™ with the added benefit of a special statically dissipative surface. Statex™ can be used in the most demanding electrical applications with complete confidence. Statex™ is UL recognized and can be scored and cut to fit almost any requirement.

- $10^9$  to  $10^{11}$  ohms/sq. per ASTM D257-78 surface resistivity
- UL 94 V-0 rated, CSA approved
- Minimal moisture absorption rate of <0.02%
- Easily formed to any configuration



# FORMEX™ & STATEX™ TECHNICAL SPECIFICATIONS

	Formex 10 Statex 10*	Formex 18 Statex 18*	Formex 20BK (Black)	Formex 31BK Formex 31
	.010" (+.003, - .0015) .25mm	.018" (+.004, - .002) 0.46mm	.020" (± .002) 0.51mm	.031" (+.004, - .000) 0.79mm
<b>PHYSICAL PROPERTIES</b> Flammability** UL 94	VTM-0	V-0	V-0	V-0
Long Term Heat Aging UL 746 A				
Electrical	95°C / 203°F	100° C / 212° F	100° C / 212° F	110° C / 230° F
Mechanical w/impact		90° C / 194° F	90° C / 194° F	105° C / 221° F
Mechanical w/o impact	95°C / 203°F	100° C / 212° F	100° C / 212° F	110° C / 230° F
<b>ELECTRICAL PROPERTIES</b>				
Dielectric Strength ASTM D-149	1800	Formex 1720 Statex 1530	1420	1230
High Current Arc Ignition, arcs to ignite UL 746 A	113	23	23	195
Hot Wire Ignition UL 746 A	6 sec	11 sec	21 sec	21 sec

\* Static decay (ASTM D 257-78, Fed. Test 101c) value <2 sec. Surface resistivity (ASTM D 257-78) 10<sup>9</sup> to 10<sup>11</sup> ohms/sq.  
\*\*File #E121855 Yellow Card available on request. CSA file No. LS96638.

## FORMEX™ ALSO FEATURES

- Moisture absorption (ASTM D-698) <0.01%
- Oxygen Index (ASTM D-2863)28
- Heat Deflection temperature @66 psi (ASTM D-698) 106° C/223° F
- Comparative Tracking Index/Volts (D-3638), 600+
- Density gm/cc (ASTM D-792) 0.988
- Volume resistivity ohm/cm (ASTM D-257) 146 x 10<sup>15</sup>

Formex™ is available in a variety of thicknesses ; .010" through .187"