

NEW!

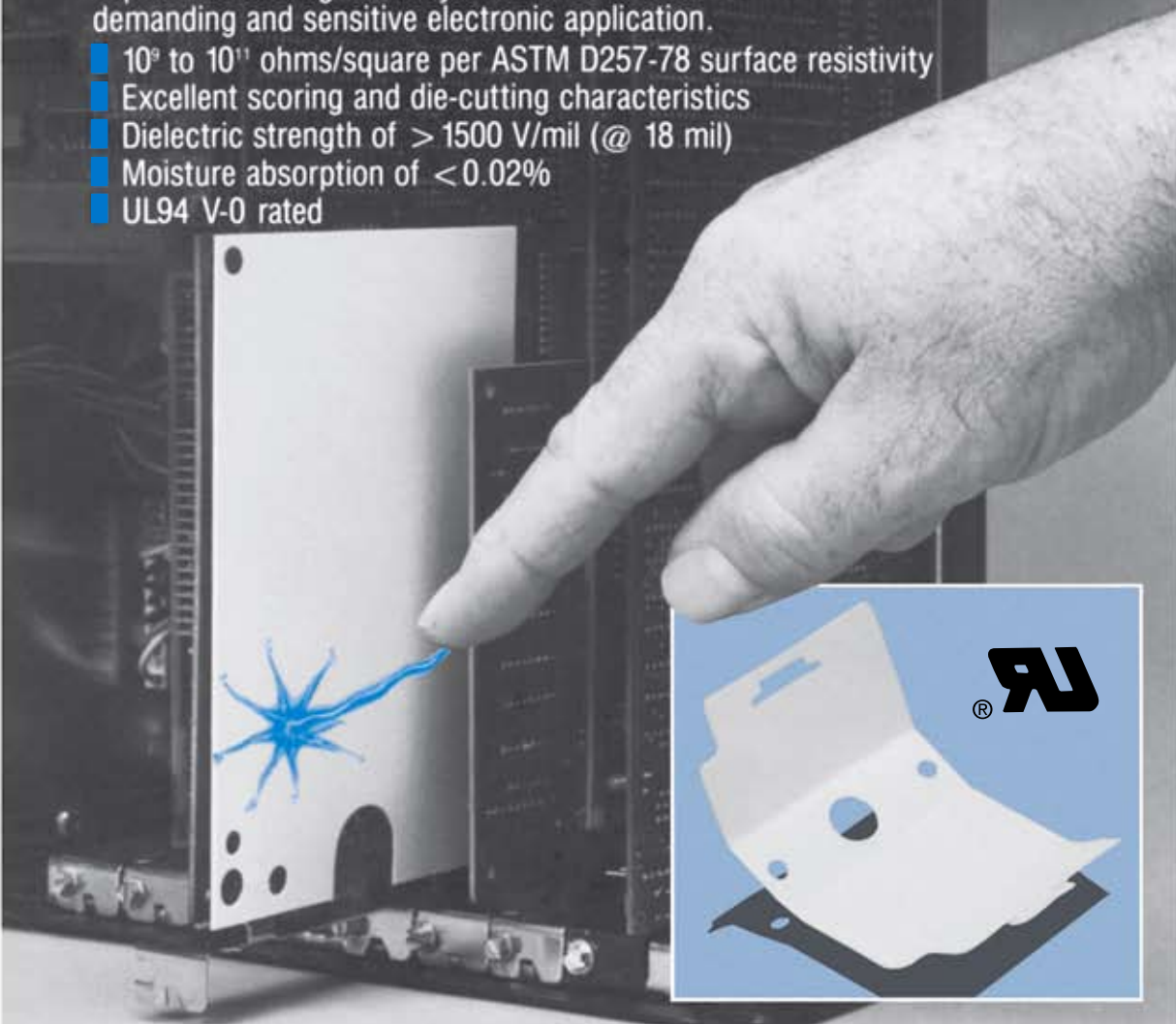
UL Recognized...an
ITW Formex® Exclusive

STATEX™ Electrostatically Dissipative Insulation

**Insulate and Protect Sensitive Electronic Devices
Against Electrostatic Charges.**

Take the best of our industry-standard Formex™ electrical insulation. Add a special static dissipative surface. Result: STATEX™... a UL-recognized superior insulating barrier you can use with confidence in the most demanding and sensitive electronic application.

- 10^9 to 10^{11} ohms/square per ASTM D257-78 surface resistivity
- Excellent scoring and die-cutting characteristics
- Dielectric strength of > 1500 V/mil (@ 18 mil)
- Moisture absorption of $< 0.02\%$
- UL94 V-0 rated



Call or fax today for free STATEX™
samples and product information

Call: 630-315-2174
Fax: 630-315-2157

ITW Formex®

425 North Gary Avenue
Carol Stream, IL 60188

See reverse side for Product Data

STATEXTM

ELECTROSTATICALLY DISSIPATIVE FLAME RETARDANT POLYPROPYLENE SHEET

	TEST METHOD	STATEX-10	STATEX-18	STATEX-31
Color		Natural*	Natural*	Natural*
Thickness				
inches		0.010 (+.003, -.0015)	0.018 (+.004,-.002)	0.031 (+.004,-.000)
millimeters		0.25 (+.08, -.04)	0.46 (+.10, -.05)	0.79 (+.10, -.00)
<u>MECHANICAL PROPERTIES</u>				
Tensile Yield, psi	ASTM D-882			
Machine Direction		4800	4800	4800
Transverse Direction		3600	3600	3600
<u>PHYSICAL PROPERTIES</u>				
Density, gm/cc	ASTM D-792	0.988	0.988	0.988
Flammability				
UL	UL94	VTM-0	V-0	V-0
Oxygen Index	ASTM D-2863	28	28	28
Water Absorption,	ASTM D-570			
% Change in weight		0.01	0.01	0.01
Heat Deflection Temperature	ASTM D-648			
@ 66 psi		106°C/223°F	106°C/223°F	106°C/223°F
Relative Temperature Index	UL 746B			
Electrical		95°C/203°F	100°C/212°F	110°C/230°F
Mechanical w/o impact		95°C/203°F	100°C/212°F	110°C/230°F
<u>ELECTRICAL PROPERTIES</u>				
Static Decay,	ASTM D-257-78,			
seconds	Federal Test Method 101C	<2	<2	<2
Surface Resistivity,	ASTM D-257-78			
ohms/square		10 ⁹ to 10 ¹¹	10 ⁹ to 10 ¹¹	10 ⁹ to 10 ¹¹
Dielectric Breakdown,	ASTM D-149			
volts		17,500	27,540	37,200
Dielectric Strength,	ASTM D-149			
volts/mil		1750	1530	1200
Volume Resistivity,	ASTM D-257			
ohm-cm		146 x 10 ¹⁵	146 x 10 ¹⁵	146 x 10 ¹⁵
Dielectric Constant	ASTM D-150	2.30	2.30	2.30
Dissipation Factor	ASTM D-150	0.0009	0.0009	0.0009
High Current Arc	UL 746A			
Ignition, arcs to ignite		113	23	195
High Voltage Arc Tracking				
in./min.	UL 746A	0.0	0.0	0.0
Hot Wire Ignition, sec.	UL 746A	6+	11	21
Comparative Tracking	ASTM D-3638			
Index, volts		600+	600+	600+

UL File No. E121855(N)

MIL Handbook 454 - Fungus Inert - Group I
FMVSS 302-75 : SE
US. Govt. Cage Code No.: 3VHK9

* Product is line-marked to indicate statically dissipative material.

Notice: The above data is believed to be accurate and reliable. ITW assumes no responsibility for end-use application, and no performance warranty is expressed or implied.