

# NEW!

## Electrical Insulation Panels



### Formex™ GK Panel Features

- UL 94V-0 Rated
- 49,000 Volts Dielectric Breakdown (@0.160")
- Rigid-Lightweight
- Low Moisture Absorption (<0.1%)
- Available in 2 thicknesses  
160 mil (4mm)  
and 240 mil (6mm)

Call or Fax today for FREE Formex GK samples  
and product information

Call 630/889-8655  
Fax 630/889-8713  
Email [sales@itwformex.com](mailto:sales@itwformex.com)

**ITW Formex®**

1701 W. Armitage Court  
Addison, IL 60101

[www.itwformex.com](http://www.itwformex.com)


# FORMEX™ GK PRODUCT DATA

## IMPACT MODIFIED FLAME RETARDANT POLYPROPYLENE PANELS

ITW Formex® 1701 W. Armitage Court  
Addison, IL 60101  
630.889.8655 Fax 630.889.8713  
Email sales@itwformex.com  
Web Site www.itwformex.com

	TEST METHOD	FORMEX GK-160	FORMEX GK-240
Color		Natural (White)	Natural (White)
Panel Thickness - inches		0.157 ± 0.006	0.236 ± 0.006
Panel Thickness - millimeters		4.0 ± 0.15	6.0 ± 0.15
Wall Thickness nominal - inches		0.010	0.017
Wall Thickness nominal - millimeters		0.25	0.43
<b>MECHANICAL PROPERTIES</b>			
Tensile Yield, psi	ASTM D-882		
Machine Direction		4400	4400
Transverse Direction		3200	3200
<b>PHYSICAL PROPERTIES</b>			
Density - gm/cc	ASTM D-792	1.035	1.035
Flammability	UL 94	V-O	V-O
Oxygen Index	ASTM D-2863	29	29
Water Absorption - % change in weight	ASTM D-570	0.06	0.06
Heat Deflection Temperature at 66 psi	ASTM D-648	121°C/239°F	121°C/239°F
Relative Temperature Index	UL 746B		
Electrical		115°C/239°F	115°C/239°F
Mechanical without impact		115°C/239°F	115°C/239°F
Surface Energy - dynes/cm (as produced)	ASTM D-2578	≥ 50	≥ 50
<b>ELECTRICAL PROPERTIES</b>			
Dielectric Breakdown - volts	ASTM D-149	49,000	60,000
Volume Resistivity - ohm-cm	ASTM D-257	3.97 x 10 <sup>15</sup>	3.97 x 10 <sup>15</sup>
Dielectric Constant	ASTM D-150	2.30	2.30
Dissipation Factor	ASTM D-150	0.0009	0.0009
High Current Arc Ignition - arcs to ignite	UL 746A	200	200
High Voltage Arc Tracking - in/min	UL 746A	0.0	0.0
Hot Wire Ignition seconds	UL 746A	10	10
Comparative Tracking Index - volts	ASTM D-3638	600	600
<b>PACKAGING INFORMATION</b>			
Sheet size - inches		48 x 96	48 x 96
Sheet weight - lbs (approximate)		5.25	9.56
Sheets per pallet		150	75

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.

 File No. E121855(N)

MIL Handbook 454 - Fungus-inert-Group I