

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 630/315-2212

Fax 630/315-2155

Email sales@itwformex.com

ITW Formex®

1701 W. Armitage Court
Addison, IL 60101

www.itwformex.com

FORMEX™ GK PRODUCT DATA

IMPACT MODIFIED FLAME RETARDANT POLYPROPYLENE PANELS



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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
Cell to Cell spacing - inches (approximate)		0.175	0.175
MECHANICAL PROPERTIES			
Tensile Yield, psi	ASTM D-882		
Machine Direction		4400	4400
Transverse Direction		3200	3200
PHYSICAL PROPERTIES			
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/250°F	121°C/250°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
ELECTRICAL PROPERTIES			
Dielectric Breakdown - volts	ASTM D-149	49,000	60,000
Volume Resistivity - ohm-cm	ASTM D-257	3.97 x 10 ¹⁵	3.97 x 10 ¹⁵
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
PACKAGING INFORMATION			
Sheet size - inches		48 x 96	48 x 96
Sheet weight - lbs (approximate)		5.25	10.48
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.



MIL Handbook 454 - Fungus-inert-Group I