

FORMEX™ GK PRODUCT DATA

FLAME RETARDANT POLYPROPYLENE SHEET

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	TEST METHOD	FORMEX GK-5BK	FORMEX GK-10	FORMEX GK-17	FORMEX GK-30	FORMEX GK-40	FORMEX GK-62
Color		Black	Natural & Black	Natural & Black	Natural & Black	Natural & Black	Natural & Black
Thickness - inch		.005 ± .001	.010 + .003/ -.0015	.017 + .003/ -.001	.030 ± .002	.040 ± .002	.062 ± .004
Thickness - millimeter		.127 ± .025	.25 + .08/ -.04	.43 + .08/ -.03	.76 ± .05	1.02 ± .05	1.57 ± .10
MECHANICAL PROPERTIES							
Tensile Yield - psi	ASTM D-882						
Machine Direction		4400	4400	4400	4400	4400	4400
Transverse Direction		3200	3200	3200	3200	3200	3200
PHYSICAL PROPERTIES							
Density - gm/cc	ASTM D-792	1.035	1.035	1.035	1.035	1.035	1.035
Flammability	UL 94	VTM-0	VTM-0	V-0	V-0	V-0	V-0
Oxygen Index	ASTM D-2863	29	29	29	29	29	29
Water Absorption - % change in weight	ASTM D-570	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%
Heat Deflection Temperature at 66 psi	ASTM D-648	121°C/250°F	121°C/250°F	121°C/250°F	121°C/250°F	121°C/250°F	121°C/250°F
Relative Thermal Index	UL 746B						
Electrical		115°C/239°F	115°C/239°F	115°C/239°F	115°C/239°F	115°C/239°F	115°C/239°F
Mechanical Without Impact		115°C/239°F	115°C/239°F	115°C/239°F	115°C/239°F	115°C/239°F	115°C/239°F
Surface Energy - dynes/cm (as produced)	ASTM D-2578	≥ 50 outside only**	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50
ELECTRICAL PROPERTIES							
Dielectric Breakdown - volts	ASTM D-149	13,125	22,000	24,820	32,400	37,800	45,260
Dielectric Strength - volts/mil	ASTM D-149	2625	2200	1460	1080	945	730
Volume Resistivity - ohm-cm	ASTM D-257	3.97x 10 ¹⁵	3.97x 10 ¹⁵	3.97x 10 ¹⁵	3.97x 10 ¹⁵	3.97x 10 ¹⁵	3.97x 10 ¹⁵
Dielectric Constant	ASTM D-150	2.30	2.30	2.30	2.30	2.30	2.30
Dissipation Factor	ASTM D-150	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
High Current Arc Ignition - arcs to ignite	UL 746A	200	200	162	200	200	200
High Voltage Arc Tracking - in/min	UL 746A	0.0	0.0	0.0	0.0	0.0	0.0
Hot Wire Ignition - seconds	UL 746A	9	7	9	12	12	12
Comparative Tracking Index - volts	ASTM D-3638	600	600	600	600	600	600
PACKAGING INFORMATION							
Standard Configuration		Roll	Roll	Roll & Sheet	Roll & Sheet	Sheet	Sheet
Core ID - inches		6	6	6	6	-	-
Roll OD - inches (approximate)		18	18	18	18	-	-
Roll Width - inches		24	24	24 & 25	24	-	-
Roll Weight - lbs (approximate)		205	225	200	200	-	-
Length/Roll - feet		4000	2000	1000	600	-	-
Area/Roll - square feet		8000	4000	2000 & 2083	1200	-	-
Sheet Sizes - inches		-	-	24 x 48	24 x 48, 48 x 96*	24 x 48, 48 x 96*	24 x 48, 48 x 96*

* Black only

** Treated one side only

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

FMXGK 5/62-D



File Number E121855 - Yellow Card available on request

MIL Handbook 454 - Fungus-inert-Group I

For a complete listing of Formex products, contact your Formex/Statex sales representative.