

# FORMEX™ GK/FORMEX PRODUCT DATA

## FLAME RETARDANT POLYPROPYLENE SHEET



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	TEST METHOD	FORMEX GK-40	FORMEX GK-62	FORMEX-94BK	FORMEX-125BK
Color		Natural & Black	Natural & Black	Black	Black
Thickness - inch		.040 ± .002	.062 ± .004	.094 ± .004	.125 ± .007
Thickness - millimeter		1.02 ± .05	1.57 ± .10	2.38 ± .10	3.18 ± .18
<b>MECHANICAL PROPERTIES</b>					
Tensile Yield - psi	ASTM D-882				
Machine Direction		4400	4400	4800	4800
Transverse Direction		3200	3200	3600	3600
<b>PHYSICAL PROPERTIES</b>					
Density - gm/cc	ASTM D-792	1.035	1.035	0.988	0.988
Flammability	UL 94	V-0	V-0	V-0	V-0
Oxygen Index	ASTM D-2863	29	29	28	28
Water Absorption - % change in weight	ASTM D-570	0.06%	0.06%	0.01%	0.01%
Heat Deflection Temperature at 66 psi	ASTM D-648	121°C/250°F	121°C/250°F	106°C/223°F	106°C/223°F
Relative Thermal Index	UL 746B				
Electrical		115°C/239°F	115°C/239°F	110°C/230°F	110°C/230°F
Mechanical Without Impact		115°C/239°F	115°C/239°F	110°C/230°F	120°C/248°F
Surface Energy - dynes/cm (as produced)	ASTM D-2578	≥50	≥50	≥50	≥50
<b>ELECTRICAL PROPERTIES</b>					
Dielectric Breakdown - volts	ASTM D-149	37,800	45,260	56,400	62,500
Dielectric Strength - volts/mil	ASTM D-149	945	730	600	500
Volume Resistivity - ohm-cm	ASTM D-257	3.97 x 10 <sup>15</sup>	3.97 x 10 <sup>15</sup>	146 x 10 <sup>15</sup>	146 x 10 <sup>15</sup>
Dielectric Constant	ASTM D-150	2.30	2.30	2.30	2.30
Dissipation Factor	ASTM D-150	0.0019	0.0019	0.0009	0.0009
High Current Arc Ignition - arcs to ignite	UL 746A	200	200	200	200
High Voltage Arc Tracking - in/min	UL 746A	0.0	0.0	0.0	0.0
Hot Wire Ignition - seconds	UL 746A	12	12	30	36
Comparative Tracking Index - volts	ASTM D-3638	600	600	600	600
<b>PACKAGING INFORMATION</b>					
Standard Configuration		Sheet	Sheet	Sheet	Sheet
Core ID - inches		-	-	-	-
Roll OD - inches (approximate)		-	-	-	-
Roll Width - inches		-	-	-	-
Roll Weight - lbs (approximate)		-	-	-	-
Length/Roll - feet		-	-	-	-
Area/Roll - square feet		-	-	-	-
Sheet Sizes - inches		24 x 48, 48 x 96*	24 x 48, 48 x 96*	24 x 48	24 x 48

\* Black 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.



File Number E121855 - Yellow Card available on request

MIL Handbook 454 - Fungus-Inert-Group I

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