



**ISO 9001: 2008 - QUALITY ASSURANCE**  
 Distributor & Fabricator of Engineered Plastic & Electrical Products

**FORMEX GK/FORMEX PRODUCT DATA**  
**Flame Retardant Polypropylene Sheet**

TEST METHOD	FORMEX GK-5BK	FORMEX GK-10	FORMEX GK-17	FORMEX GK-30
Color	Black	Natural & Black	Natural & Black	Natural & Black
Thickness - inch	.005 ± .001	.010 + .003/ -.0015	.017 + .003/ -.001	.030 ± .002
Thickness - millimeter	.127 ± .025	.25 + .08/ -.04	.43 + .08/ -.03	.76 ± .05
<b>MECHANICAL PROPERTIES</b>				
Tensile Yield - psi	ASTM D-882			
Machine Direction	4400	4400	4400	4400
Transverse Direction	3200	3200	3200	3200
<b>PHYSICAL PROPERTIES</b>				
Density - gm/cc	ASTM D-792	1.035	1.035	1.035
Flammability	UL 94	VTM-0	VTM-0	V-0
Oxygen Index	ASTM D-2863	29	29	29
Water Absorption - % change in weight	ASTM D-570	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
Relative Thermal Index	UL 746B			
Electrical		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
Surface Energy - dynes/cm (as produced)	ASTM D-2578	≥ 50 outside only**	≥ 50	≥ 50
<b>ELECTRICAL PROPERTIES</b>				
Dielectric Breakdown - volts	ASTM D-149	13,125	22,000	24,820
Dielectric Strength - volts/mil	ASTM D-149	2625	2200	1460
Volume Resistivity - ohm-cm	ASTM D-257	3.97x 10 <sup>15</sup>	3.97x 10 <sup>15</sup>	3.97x 10 <sup>15</sup>
Dielectric Constant	ASTM D-150	2.30	2.30	2.30
Dissipation Factor	ASTM D-150	0.0019	0.0019	0.0019
High Current Arc Ignition - arcs to ignite	UL 746A	200	200	162
High Voltage Arc Tracking - in/min	UL 746A	0.0	0.0	0.0
Hot Wire Ignition - seconds	UL 746A	9	7	9
Comparative Tracking Index - volts	ASTM D-3638	600	600	600
<b>PACKAGING INFORMATION</b>				
Standard Configuration		Roll	Roll	Roll & Sheet
Core ID - inches		6	6	6
Roll OD - inches (approximate)		18	18	18
Roll Width - inches		24	24	24 & 25
Roll Weight - lbs (approximate)		205	225	200
Length/Roll - feet		4000	2000	1000
Area/Roll - square feet		8000	4000	2000 & 2083
Sheet Sizes - inches		-	-	24 x 48
				24 x 48, 48 x 96*

\*FORMEX BRAND OF POLYPROPYLENE FR.

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