

FORMEX[®] GS PRODUCT DATA

STATIC DISSIPATIVE FLAME RETARDANT POLYPROPYLENE SHEET

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	TEST METHOD	FORMEX [™] GS-10	FORMEX [™] GS-17	FORMEX [™] GS-30
Color		Natural*	Natural*	Natural*
MANUFACTURING SPECIFICATION				
Thickness				
inch		0.010 (+0.003/-0.0015)	0.017 (+0.003/-0.001)	0.030 (+0.002/-0.002)
millimeter		0.25 (+0.08/-0.04)	0.43 (+0.08/-0.03)	0.76 (+0.05/-0.05)
UL FLAMMABILITY RATING / PERFORMANCE LEVELS				
Flammability	UL 94	VTM-0	V-0	V-0
Relative Temperature 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
High Current Arc Ignition - PLC	UL 746A	0	0	0
High Voltage Arc Tracking - PLC	UL 746A	0	0	0
Hot Wire Ignition - PLC	UL 746A	4	4	4
Comparative Tracking Index - PLC	ASTM D-3638	0	0	0
TYPICAL MECHANICAL PROPERTIES VALUES				
Tensile Yield - psi	ASTM D-882 / ISO 527-1,-2			
Machine Direction		4400	4400	4000
Transverse Direction		3200	3200	3200
TYPICAL PHYSICAL PROPERTIES VALUES				
Density - gm/cc	ASTM D-792 / ISO 1183-1, Method A	1.035	1.035	1.035
Oxygen Index, %	ASTM D-2863 / ISO 4589-1,-2	29	29	29
Water Absorption - % Change in weight	ASTM D-570 / ISO 62, Method 4	0.06%	0.06%	0.06%
Heat Deflection Temperature at 66 psi	ASTM D-648 0.45MPa / ISO 75-1,-2, Method B	121°C/ 250°F	121°C/ 250°F	121°C/ 250°F
TYPICAL ELECTRICAL PROPERTIES VALUES				
Comparative Tracking Index - volts	IEC 60112	600	600	600
Surface Resistivity - ohms/square	ASTM D-257	10 ⁹ -10 ¹¹	10 ⁹ -10 ¹¹	10 ⁹ -10 ¹¹
Dielectric Breakdown - volts	ASTM D-149 / IEC 60243-1	16,830	19,610	26,480
Dielectric Strength - volts/mil	ASTM D-149 / IEC 60243-1	1,683	1,154	883
Volume Resistivity - ohm-cm	ASTM D-257 / IEC 62631-3-1	8 x 10 ¹⁵	8 x 10 ¹⁵	8 x 10 ¹⁵
Dielectric Constant	ASTM D-150 / IEC 60250, 1MHz	2.30	2.30	2.30
Dissipation Factor	ASTM D-150 / IEC 60250, 1MHz	0.0019	0.0019	0.0019
PACKAGING INFORMATION				
Standard Configuration		Roll	Roll	Roll
Core ID - inches (millimeters)		6 (152)	6 (152)	6 (152)
Roll OD - inches (millimeters) (approximate)		18 (457)	18 (457)	18 (457)
Roll Width - inches (millimeters)		24 (610)	24 (610)	24 (610)
Roll Weight - lbs (kgs) (approximate)		225 (102.1)	178 (81)	192 (87)
Length/Roll - feet (meters)		2000 (609.6)	1000 (304.8)	600 (182.9)
Area/Roll - square feet (square meters)		4000 (371.6)	2000 (185.8)	1200 (111.5)

* Product is line-marked on treated side with carbonless black ink.

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.

