



FORMEX™ GL PRODUCT DATA

FLAME RETARDANT POLYPROPYLENE SHEET

TEST METHOD		FORMEX™ GL-10	FORMEX™ GL-17
Color		Natural & Black	Natural & Black
MANUFACTURING SPECIFICATION			
Thickness			
inches		0.010 (+0.003 / -0.0015)	0.017 (+0.003 / -0.001)
millimeters		0.25 (+0.08 / -0.04)	0.43 (+0.08 / -0.03)
UL FLAMMABILITY RATING / PERFORMANCE LEVELS			
Flammability	UL 94	VTM-0	V-0
Relative Temperature Index	UL 746B		
Electrical		125°C / 257°F	125°C / 257°F
Mechanical Without Impact		115°C / 239°F	115°C / 239°F
High Current Arc Ignition - PLC (arcs to ignite)	UL 746A	2	2
High Voltage Arc Tracking - PLC (in / min)	UL 746A	0	0
Hot Wire Ignition - PLC (seconds)	UL 746A	0	0
Comparative Tracking Index - PLC	ASTM D-3638	0	0
TYPICAL MECHANICAL PROPERTIES VALUES			
Tensile Yield - psi		ASTM D-882 / ISO 527-1,-2	
Machine Direction		5,000	4,300
Transverse Direction		2,900	3,100
TYPICAL PHYSICAL PROPERTIES VALUES			
Density - gm/cc		ASTM D-792 / ISO 1183-1, Method A	0.972
Oxygen Index - %		ASTM D-2863 / ISO 4589--1,-2	29
Water Absorption - % Change in weight		ASTM D-570 / ISO 62, Method 4	0.06%
Heat Deflection Temperature at 66 psi		ASTM D-648 0.45MPa / ISO 75-1,-2,Method B	122°C / 252°F
Surface Energy - dynes / cm (as produced)		ASTM D-2578	≥ 50
TYPICAL ELECTRICAL PROPERTIES VALUES			
Comparative Tracking Index - volts		IEC 60112	600
Dielectric Breakdown - volts		ASTM D-149 / IEC 60243-1	18,799
Dielectric Strength - volts / mil		ASTM D-149 / IEC 60243-1	1,880
Volume Resistivity - ohm-cm		ASTM D-257 / IEC 62631-3-1	1 x 10 ¹⁶
Dielectric Constant		ASTM D-150 / IEC 60250, 1MHz	1.80
Dissipation Factor		ASTM D-150 / IEC 60250, 1MHz	0.0017
PACKAGING INFORMATION			
Standard Configuration		Roll	Roll
Core ID - inches (millimeters)		6 (152)	6 (152)
Roll OD - inches (millimeters) (approximate)		18 (457)	18 (457)
Roll Width - inches (millimeters)		24 (610)	24 (610)
Roll Weight - lbs (kgs) (approximate)		192 (87)	172 (78)
Length/Roll - feet (meters)		2,000 (609.6)	1,000 (304.8)
Area/Roll - square feet (square meters)		4,000 (371.6)	2,000 (185.8)

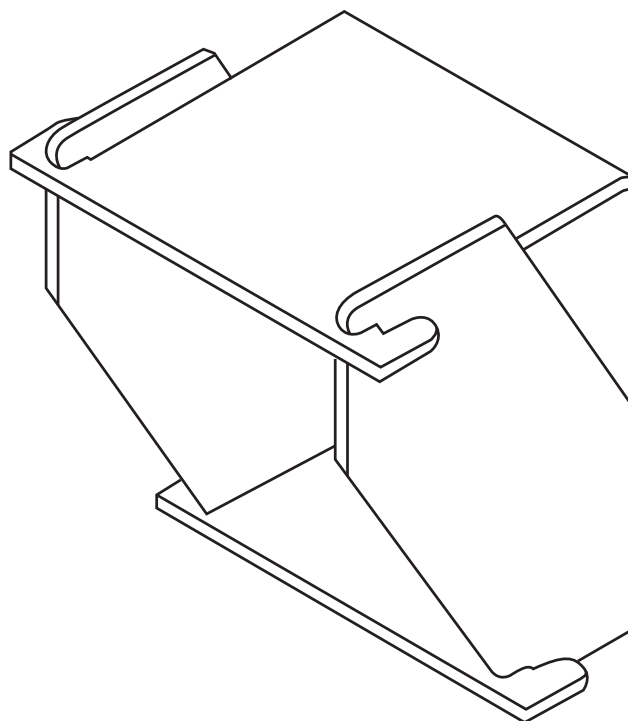
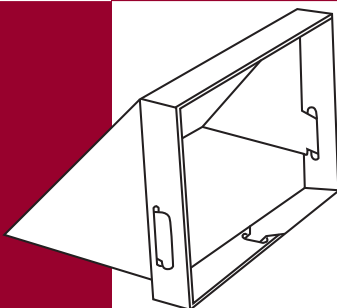
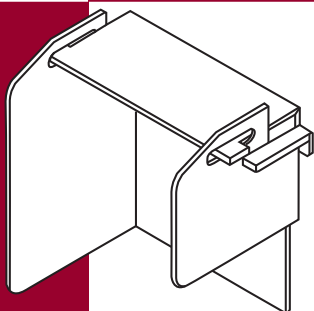
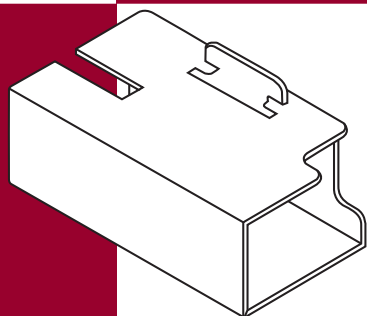
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FLAME RETARDANT

CONTINUOUS USE TEMPERATURE TO 125°C



- Flammability Rating UL 94 VTM-0
- H₂O Absorption 0.06%
- Temperature Rating 125°C / 257°F
- Dielectric Strength 1,880 Volts / mil @0.010"
- UL Recognized File E121855