

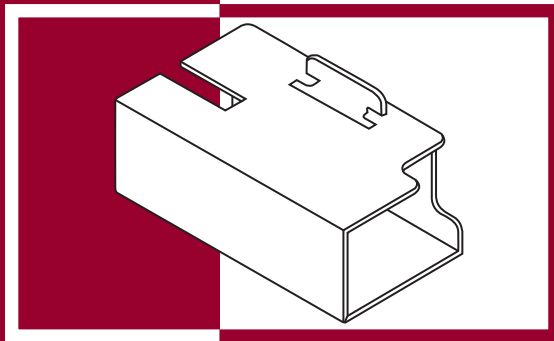


Introducing our

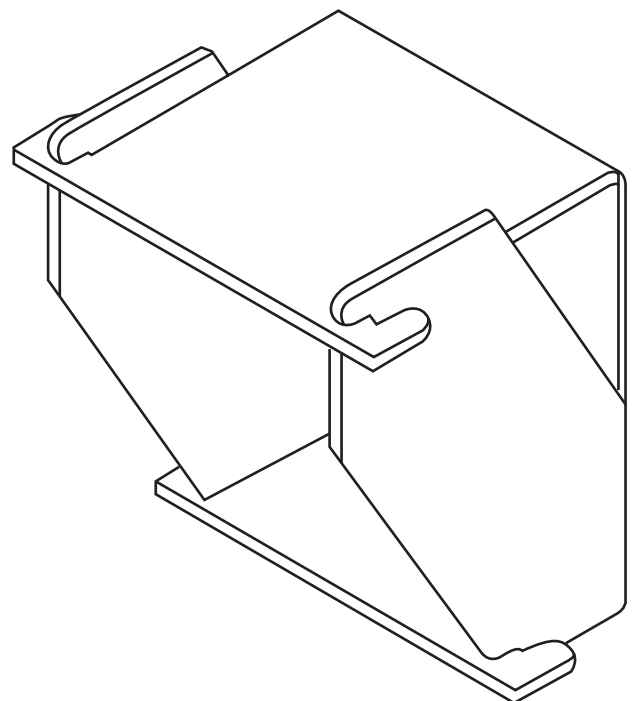
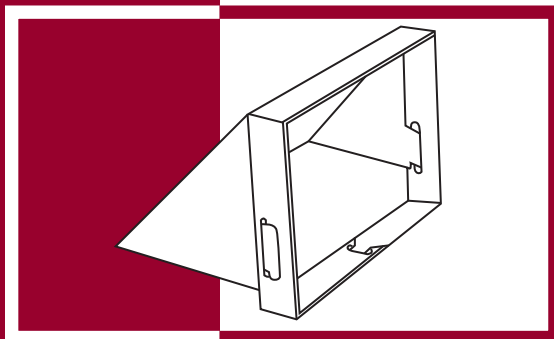
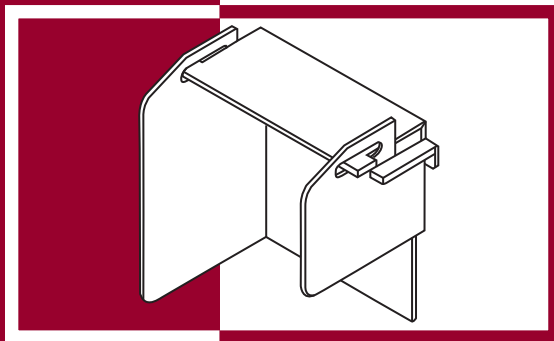
HALOGEN FREE

MULTI-LAYER POLYCARBONATE SHEET

POLYCARBONATE SHEET



- Temperature Rating 80°C/176°F
- Flammability Rating UL 94 VTM-0
- H2O Absorption



For more information or Formex CND samples, please contact us at 800-278-5666

425 N. Gary Ave. Carol Stream, IL. 60188

www.itwformex.com

FORMEX™ CND PRODUCT DATA

FLAME RETARDANT POLYCARBONATE SHEET

ITW Electronic Components/ITW Formex
425 N. Gary Ave. Carol Stream, IL. 60188
Tel: 800-278-5666 Fax: 630-315-2152
Web Site: www.itwformex.com

TEST METHOD		FORMEX™ CND-8	FORMEX™ CND-10
Color		Natural & Black	Natural & Black
MANUFACTURING SPECIFICATION			
Thickness			
inch		0.008 (+0.001/-0.001)	0.010 (+0.0015/-0.0015)
millimeter		0.20 (+0.03/-0.03)	0.25 (+0.04/-0.04)
UL FLAMMABILITY RATING / PERFORMANCE LEVELS			
Flammability	UL 94	VTM-0	VTM-0
Relative Temperature Index	UL 746B		
Electrical		80°C/ 176°F	80°C/ 176°F
Mechanical Without Impact		80°C/ 176°F	80°C/ 176°F
High Current Arc Ignition - PLC (arcs to ignite)	UL 746A	1	1
High Voltage Arc Tracking - PLC (in/min)	UL 746A	1	1
Hot Wire Ignition - PLC (seconds)	UL 746A	4	4
Comparative Tracking Index - PLC (volts)	ASTM D-3638	3	3
Furnished As		Multiple layers of sheets	Multiple layers of sheets
Voltage Meets Mandrel Test, VAC	IEC 60950-1	7000	7000
TYPICAL MECHANICAL PROPERTIES VALUES			
Tensile Yield - psi	ASTM D-882		
Machine Direction		9000	9000
Transverse Direction		7500	7500
TYPICAL PHYSICAL PROPERTIES VALUES			
Density - gm/cc	ASTM D-792	1.21	1.21
Oxygen Index	ASTM D-2863	29	29
Water Absorption - % Change in weight	ASTM D-570	0.24%	0.24%
Heat Deflection Temperature of the layer with lower value	ASTM D-648	140°C/ 284°F	140°C/ 284°F
TYPICAL ELECTRICAL PROPERTIES VALUES			
Dielectric Breakdown - volts	ASTM D-149	16,029	17,587
Dielectric Strength - volts/mil	ASTM D-149	2,004	1,759
Volume Resistivity - ohm-cm	ASTM D-257	1.2 x 10 ¹⁶	1.2 x 10 ¹⁶
Dielectric Constant	ASTM D-150	2.55	2.55
Dissipation Factor	ASTM D-150	0.0017	0.0017
PACKAGING INFORMATION			
Standard Configuration		Roll	Roll
Core ID - inches (millimeters)		6 (152)	6 (152)
Roll OD - inches (millimeters) (approximate)		17 (432)	17 (432)
Roll Width - inches (millimeters)		24 (610)	24 (610)
Roll Weight - lbs (kgs) (approximate)		202 (92)	220 (100)
Length/Roll - feet (meters)		2000 (609.6)	1750 (533.4)
Area/Roll - square feet (square meters)		4000 (371.6)	3500 (325.2)

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.



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