

**EX-CEL**

## EX-CEL Edge PVC Sheets

EX-CEL Edge PVC Sheets deliver visual Impact, providing the appearance of a frame, without the need for a frame. Save time and money and ensure the images you print look their best. Co-extruded in white/black, and white/black/white, so you won't need to flood coat these rigid PVC sheets. Printable on both sides allows you to reduce inventory levels, because you'll no longer need white and black PVC sheets. Eliminates need for expensive, machine-slowng white ink on flatbed presses. Ideal for retail signage, POP displays, presentation boards, plastic signs and other printable PVC projects.

### Main Features

- Easy-to-fabricate with standard tools
- Lightweight
- Outstanding printability
- Fine cell structure
- Low flammability rated UL 94 VO
- Non-corrosive
- Non-toxic
- Good impact strength
- Safe for the environment (no heavy metals)
- Can be film-masked
- Chemical and moisture resistant

### Fabrication Options

- Rout
- Saw/Cut
- Rivet
- Screw
- Paint
- Print
- Engrave
- Drill
- Photo mount
- Die cut up to 3mm (6mm with heated sheets)
- Heat bend/form

### Applications/Markets

- Advertising signage
- Digital printing
- POP Displays
- Furniture
- Exhibit stands and panels
- Models and prototypes
- Embossing/Engraving
- Thermoforming
- Retail merchandising
- Theatrical, musical and movie sets





# EX-CEL Edge PVC Sheets

## Standard Dimensions

LENGTH	2000, 2440, 2500 & 3000, 4880 & 5490 mm
WIDTH	1000, 1220 & 1560 mm (2050 mm width on request)
THICKNESS	3 to 12 mm

(\*\* - UP TO 10MM THICKNESS SHEET AVAILABLE IN 1560 MM WIDTH)

SPECIAL SIZES AND CUSTOM COLORS AVAILABLE UPON REQUEST



Available in white/black and white/black/white; 3/6/12mm white/black/white; 3/6/mm white/black 48" x 96" and 60" x 120" sheets

## Technical Values

Property	Test Method	Unit	Value
<b>A] PHYSICAL</b>			
DENSITY	ASTM D 1505	g/cc	0.50 - 0.65
HARDNESS	ASTM D 2240	SHORE'D'	>40
WATER ABSORPTION	ASTM D 570	%	< 1.0
<b>B] MECHANICAL</b>			
TENSILE STRENGTH	ASTM D 638	Psi	> 1885
ELONGATION	ASTM D 638	%	>10
E-MODULUS	ASTM D 638	Psi	130000-220000
FLEXURAL STRENGTH	ASTM D 790	Psi	>4350
IZOD IMPACT STRENGTH	ASTM D 790	Psi	>9
<b>C] THERMAL</b>			
VICAT (B/50)	ASTM D 1525	°F	>150
COEFFICIENT OF LINEAR THERMAL EXPANSION	ASTM D 696	°C <sup>-1</sup>	5.56X10 <sup>-5</sup>
THERMAL CONDUCTIVITY	ASTM C 177	W/m K	0.1
BURNING RATE	ASTM D 635	In/min	No burn when flame removed
<b>D] ELECTRICAL</b>			
SURFACE RESISTIVITY	ASTM D 257	Ω	>10 <sup>14</sup>
VOLUME RESISTIVITY	ASTM D 257	Ω-cm	>10 <sup>15</sup>
DIELECTRIC CONSTANT	ASTM D 150	-	1.7
<b>E] FLAMMABILITY</b>			
COUNTRY: UK	BS476; Part 7	-	Class 1
COUNTRY: USA	UL 94		94 V-0; 94 5-V
COUNTRY: FRANCE	NFP 92-501		M1
<b>F] STANDARD DIMENSIONS AND COLOR</b>			
COLOR	Cap Layer White J 1010, J 1018 & J 1022 and Core Black		
THICKNESS	3 to 12 mm		
WIDTH	1000, 1220 & 1560 mm (2050 mm width on request)		
LENGTH	2000, 2440, 2500 & 3000, 4880 & 5490 mm		
*Special color, lengths and widths as per customer request			
<b>G] TOLERANCE ON DIMENSIONS</b>			
LENGTH	-0, +10 mm		
WIDTH	-0, +5 mm		
THICKNESS	+/- (0.1 + 0.05 x S) S = thickness of the sheet		

Thank you for taking time to learn about Jain Americas and EX-CEL Edge. Please contact us today for more information about the many ways we'd like to serve you. Please also visit our website if you'd like to download literature, request samples, view test data and certifications, and learn more about our company, and all four EX-CEL products.



### Jain Americas

Leave this world better than you found it

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