

EX-CEL

EX-CEL FF Lite Free Foam PVC Sheets

EX-CEL Lite PVC Sheets come in bright white, and black, and are very similar to EX-CEL foamed PVC sheets, however, because they are less dense than EX-CEL Classic (.50 versus .60), EX-CEL Lite sheets are less expensive, and perfect for more temporary POP displays, as well as retail store fixtures, retail PVC signs, and many other indoor applications. These free foam PVC sheets can be printed on both sides, film-masked, and are safe for the environment, because they contain no heavy metals.

Main Features

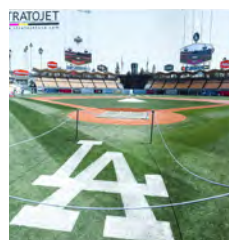
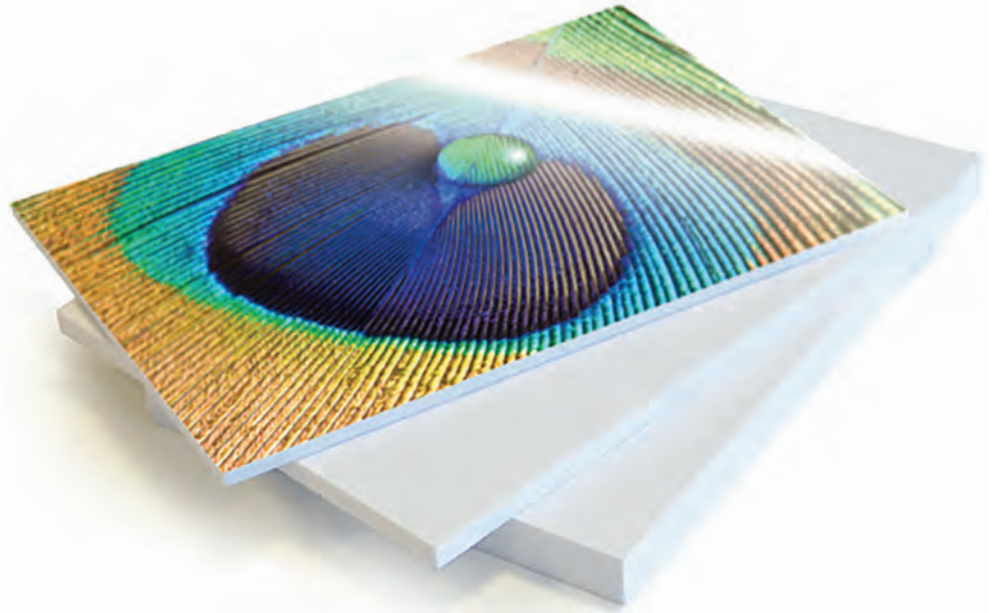
- Easy-to-fabricate with standard tools
- Lightweight
- Outstanding printability
- Fine cell structure
- Low flammability rated UL 94 VO
- Non-corrosive
- Non-toxic
- Good impact strength
- Safe for the environment (no heavy metals)
- Can be film-masked
- Chemical and moisture resistant

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
- Exhibit stands and panels
- Models and prototypes
- Embossing/Engraving
- Thermoforming
- Retail merchandising
- Theatrical, musical and movie sets





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Sheet Sizes

Thickness	Sheet Size	Color
3mm	4' x 8'	White
6mm	4' x 8'	White
3mm	50 x 100	White
3mm	5' x 10'	White
6mm	5' x 10'	White
3mm	4' x 8'	Black
6mm	4' x 8'	Black
3mm	5' x 10'	Black
6mm	5' x 10'	Black

SPECIAL SIZES AND CUSTOM COLORS AVAILABLE UPON REQUEST

Technical Values

Property	Test Method	Unit	Value
A] PHYSICAL			
DENSITY	ASTM D 1505	g/cc	0.45-0.55
HARDNESS	ASTM D 2240	SHORE'D'	30
WATER ABSORPTION	ASTM D 570	%	<1.0
B] MECHANICAL			
TENSILE STRENGTH	ASTM D 638	Psi	> 1885
ELONGATION	ASTM D 638	%	>9
E-MODULUS	ASTM D 638	Psi	130000-220000
FLEXURAL STRENGTH	ASTM D 790	Psi	>3625
C] THERMAL			
VICAT (B/50)	ASTM D 1525	°F	>150
COEFFICIENT OF LINEAR THERMAL EXPANSION	ASTM D 696	°C ⁻¹	5.56X10 ⁻⁵
THERMAL CONDUCTIVITY	ASTM C 177	W/m K	0.1
BURNING RATE	ASTM D 635	In/min	No burn when flame removed
D] ELECTRICAL			
SURFACE RESISTIVITY	ASTM D 257	Ω	>10 ¹⁴
VOLUME RESISTIVITY	ASTM D 257	Ω-CM	>10 ¹⁵
DIELECTRIC CONSTANT	ASTM D 150	-	1.7
E] FLAMMABILITY			
COUNTRY: UK	BS476; Part 7	-	Class 1
COUNTRY: USA	UL 94		94 V-0; 94 5-V
COUNTRY: FRANCE	NFP 92-501		M1
F] STANDARD DIMENSIONS AND COLOR			
COLOR	White J 1018 & J 1022		
THICKNESS	3 to 10 mm		
WIDTH	1000, 1220 & 1560 MM (2050 mm width on request)		
LENGTH	2000, 2440 & 3050 mm		
*Special color, lengths and widths as per customer request			
G] TOLERANCE ON DIMENSIONS			
LENGTH	-0, +10 mm		
WIDTH	-0, +5 mm		
THICKNESS	+/- (0.1 + 0.05 x S) S = thickness of the sheet		

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Thank you for taking time to learn about Jain Americas and EX-CEL FF Lite. 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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