

EX-CEL[®]



Plastic Sheet



Let's Build a Strong & Colourful Future...Together !!

MAIN FEATURES

- Easy to Fabricate • Light Weight • Outstanding Printability
- Fine Cell Structure •Low Flammability
- Non Warping •Non Corrosive •Non Toxic •High Impact Strength

SUITABLE FOR

- Cut •Saw •Shear •Punch •Drill •Mill
- Rivet •Screw •Paint •Print
- Photo Mount •Bend •Engrave

APPLICATIONS

- Advertising Signs •Displays •Exhibition Stands •Point of sale
- Interior Designs •Bathroom Fittings •Models & Prototypes
- Panels & Cabins •Embossing & Engraving •Thermoforming
- Lumber •Trimboard

PRODUCT RANGE

Code	Colour	Thickness	Std. Width		Std. Length	
			mm	inch	mm	inch
J1018	Bright White	2 to 10mm	1000	39	2000	79
			1220	48	2440	96
			1560	61	3050	120
			2050	80	3050	120
		12 to 25mm*	1220	48	2440	96
			1525	60	3050	120
				4880	192	
				5490	216	
				6100	240	

*One side embossed pattern also available.

TECHNICAL PROPERTIES

Properties	Test	Unit	Value
Physical:			
Density	DIN 53479	g/cc	0.55 - 0.70
Hardness	DIN 53505	Shore 'D'	≥ 42
Water Absorption	DIN 53495	%	£ 1.0
Mechanical:			
Tensile Strength	DIN 53455	MPa	≥ 15
Elongation at Break**	DIN 53455	%	≥ 15
Modulus of Elasticity	DIN 53457	MPa	900 -1500
Izod Impact Strength*	ASTM D256	KJ/M ²	≥ 9.0
Electrical:			
Dielectric strength	DIN 53481	KV/cm	≥ 90
Thermal:			
Vicat Softening Temperature	DIN 53460	°C	≥ 73
Coefficient of linear Expansion	DIN 53752	mm/m°C	0.08
Thermal Conductivity	DIN 52616	W/mK	0.05-0.07
Flammability :			
UK	BS 476 Part		Class 1 Y
France	NFP 92-501		Class M1
USA	UL 94		V0

* Applicable for thickness range of 3 to 10 mm only.

** Applicable For White Sheet

(The colour shades are only representative)
Colours are available in 3, 5 & 6 mm thickness

Black and Grey colours are also available from 10 to 25 mm thickness





MAIN FEATURES

- Easy to Fabricate •Light Weight •Outstanding Printability
- Fine Cell Structure
- Firm Outer Skin •Low Flammability
- Good Sound & Thermal Insulation
- Self Extinguishing •Non Corrosive •Non Toxic
- Smooth & Semi gloss
- High Impact Strength •Resistance to Oscillation & Vibration

SUITABLE FOR

- Cut •Saw •Shear •Punch •Drill •Nail •Mill •Rivet •Screw
- Paint •Print •Photo Mount •Emboss •Engrave

APPLICATIONS

- Advertising Signs •Displays •Exhibition Stands •Interior Designs
- False Ceilings •Walls and Partitions •Door Constructions
- Window Shutters •Office Accessories •Bathroom Fittings
- Models & Prototypes •Panels & Cabins •Embossing & Engraving
- Point of sale

PRODUCT RANGE

Code	Colour	Thickness	Std. Width		Std. Length	
			mm	inch	mm	inch
J1054	White	10 to 30mm	1220	48	2440	96
			1250	49	2000	79
			1525	60	3050	120
			1560	61	2440	96
					4880	192
					5490	216
			6100	240		

*Customised lengths available as per customer request.

TECHNICAL PROPERTIES

Properties	Test	Unit	Value
Physical:			
Density	DIN 53479	g/cc0.	50 to 0.60
Hardness	DIN 53505	Shore'D'	55
Mechanical:			
Tensile Strength	DIN 53455	MPa	≥ 11
Elongation at Break	DIN 53455	%	≥ 10
Charpy Impact Strength	53253	KJ/M ²	≥ 15
Thermal:			
Vicat Softening Temperature	DIN 53460	°C	75
Flammability:			
UK	BS 476Part7		Class 1 Y
France	NFP 92-501		Class M1
USA	UL 94		V0



MAIN FEATURES

- Smooth & Gloss •Easy to Fabricate •Good Printability
- Fine Cell Structure •Low Flammability •Non Corrosive
- Non Toxic •High Impact Strength
- Good Sound & Thermal Insulation •Self Extinguishing
- Resistance to Oscillation & Vibration.

SUITABLE FOR

- Cut •Saw •Shear •Punch •Drill •Bend •Mill •Rivet •Weld
- Paint •Print
- Photo Mount •Emboss •Engrave •Thermoform

APPLICATIONS

- Advertising Signs •Displays •Walls and Partitions
- Bathroom Fittings •Models & Prototypes •Panels & Cabin
- Embossing & Engraving •Point of sale •Switch Board
- Ventilation Duct

PRODUCT RANGE

Code	Colour	Thickness	Std. Width		Std. Length	
			mm	inch	mm	inch
J7011	Grey	2 to 12.7mm	1000	39	2000	79
J7010			1220	48	2440	96
			1500	59	3050	120
J7016	White					

* Special lengths & Widths as per customer's request.

TECHNICAL PROPERTIES

Properties	Test	Unit	Value
Physical:			
Density	DIN53479	g/cc	1.42-1.46
Hardness	DIN53505	Shore 'D'	80
Water Absorption	DIN53490	%	0.1
Mechanical:			
Tensile Strength	DIN53455	MPa	≥ 45
Elongation	DIN53455	%	≥ 60
E Modulus	DIN53457	MPa	≥ 3000
Charpy impact strength	DIN 53253	KJ/m ²	≥ 7.5
Thermal:			
Vicat (B/50)	DIN53460	0C	80
Coefficient of linear Thermal Expansion	ASTM D 696	0C-1	7.07x10-5
Electrical:			
Surface Resistivity	ASTM D 257	W	2.8x10 ¹⁶
Volume Resistivity	ASTM D 257	W-cm	8.1x10 ¹⁵
Dielectric Constant at 1MHZ	ASTM D 150	----	3.13
Dielectric Strength	DIN IEC 243	KV/mm	16.8
Dimensional Change at 120+20C	BS 3757	%	< 15
Flammability:			
UK	BS 476 Part 7		Class 1 Y
USA	UL 94		V0



MAIN FEATURES

- Manufactured under close tolerances
- Each Sheet individually inspected
- Hard and Smooth Surface
- Light weight
- Excellent Printability

APPLICATIONS

- Signs
- Point of Purchase

The ultimate PVC foam sheet for digital printing. Ex-cel Pro is a sheet exclusively developed for the high end digital print applications. The sheets are produced under very close dimensional tolerances. With Ex-cel Pro you are able to achieve a sharp and high quality printed image.

PRODUCT RANGE

Code	Colour	Thickness	Std. Width		Std. Length	
			mm	inch	mm	inch
J1018	Bright White	3 to 10mm	1220	48	2440	96

TECHNICAL PROPERTIES

Properties	Test	Unit	Value
Physical:			
Density	DIN 5347	g/cc	0.55 - 0.70
Hardness	DIN 53505	Shore 'D'	> 42
Water Absorption	DIN 53495	%	< 1.0
Mechanical:			
Tensile Strength	DIN 53455	MPa	> 15
Elongation at Break	DIN 53455	%	> 15
Modulus of Elasticity	DIN 53457	MPa	900 -1500
Izod Impact Strength	ASTM D256	KJ/M ²	> 9.0
Electrical:			
Dielectric strength	DIN 53481	KV/cm	> 90
Thermal:			
Vicat Softening Temperature	DIN 53460	°C	> 73
Coefficient of linear Expansion	DIN 53752	mm/m°C	0.08
Thermal Conductivity	DIN 52616	W/mK	0.05-0.07
Flammability :			
UK	BS 476 Part 7		Class 1Y
France	NFP 92-501		Class M1
USA	UL 94		



MAIN FEATURES

- High Gloss level •Easy to Fabricate •Light Weight
- Outstanding Printability •Fine Cell Structure
- Firm Outer Skin •Low Flammability •Self Extinguishing
- Good Sound & Thermal Insulation
- Non Corrosive •Non Toxic •High Impact Strength
- High Resistance to Oscillation & Vibration.

SUITABLE FOR

- Cut •Saw •Shear •Punch •Drill
- Mill •Rivet •Weld •Paint •Print
- Photo Mount •Emboss •Engrave

APPLICATIONS

- Advertising Signs •Displays •Walls and Partitions
- Bathroom Fittings •Models & Prototypes •Panels & Cabin
- Embossing & Engraving •Point of sale

TECHNICAL PROPERTIES

Properties	Test	Unit	Value
Physical:			
Density	DIN53479	g/cc	0.60
Hardness	DIN53505	Shore'D'	≥ 55
Mechanical:			
Tensile Strength	DIN53455	MPa	≥ 15
Elongation at Break	DIN53455	%	≥ 8
Dart Impact Strength	ISO179	J	≥ 10
Thermal:			
Vicat Softening Temperature	DIN53460	°C	≥ 72

PRODUCT RANGE

Code	Colour	Thickness	Std. Width		Std. Length	
			mm	inch	mm	inch
J1021	White	3 to 10mm	1220	48	2000	79
					2440	96
					3050	120

Our technical advice on the uses of our material is given without obligation. The buyer is responsible for the application and processing of our products and is also liable for observing any third party rights. Technical data concerning our products are typical values. Subject to alteration. ©=reg, trademark

* Special lengths & Widths as per customer's request.

**Ex-cel PVC sheet are Lead free & Cadmium free.
This makes Excel Sheets an environment friendly product.**



Weathering Test



Mechanical Properties Testing



Rheological Study



Colour Shade Development



UL Flamability Test



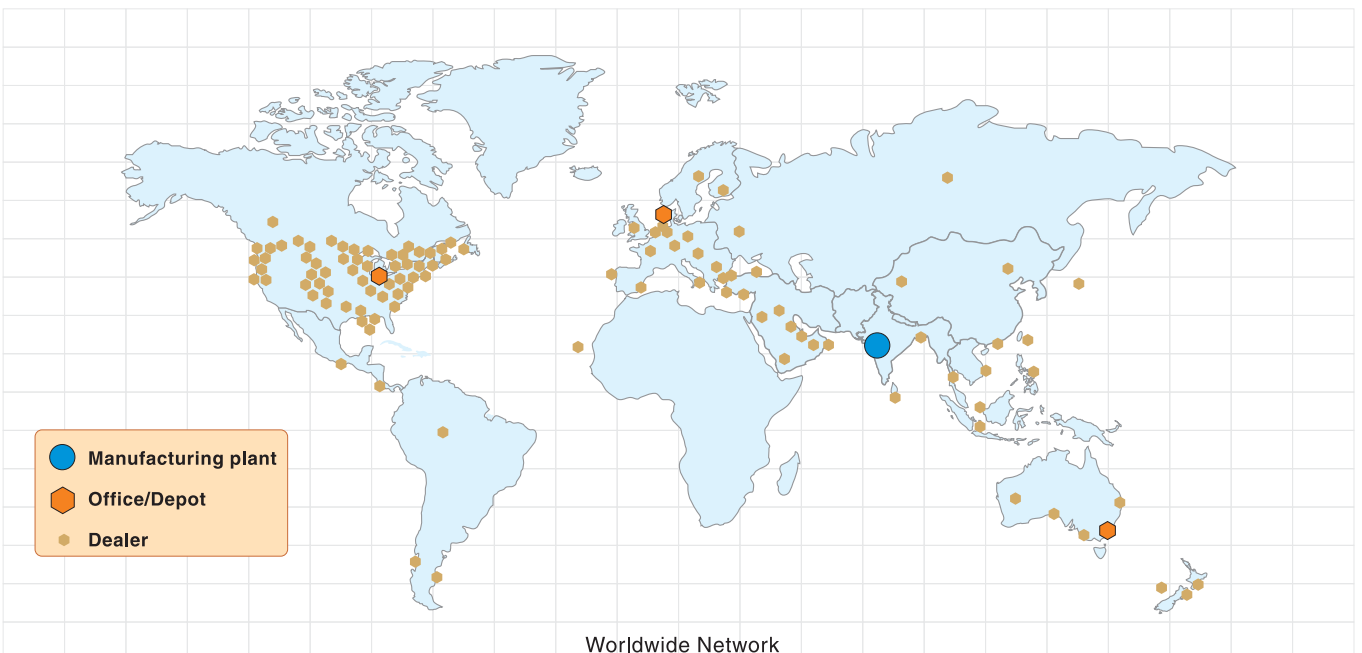
Vicat & Heat Deflection Temperature test



Colour Spectrometer



PVC Sheet Plant



The Company

We are one of the largest polymer processors in India of PVC, PE, PP, PS along with engineering polymers like Polycarbonate, Polyacetal, Polyamide, PBT, ABS, etc totaling to over 200,000 M.T.s are being extruded or injection moulded every year.

We produce and export to more than 100 countries a complete range of Micro Irrigation Systems. PVC and PE Pipe Systems. PVC and Polycarbonate Sheets, Processed Fruits and Dehydrated Vegetables.



Ex-cel Sheets, a registered brand in the world market since 1991, are manufactured in our state of the art facility at Jalgaon, India. We are the only manufacturer of PVC and Polycarbonate Sheets under one roof in South East Asia.

The manufacturing facility is ISO 9001:2000 and 14001:2004 certified by TUV Nord Germany. Our products are specially formulated at our well equipped in-house R & D facility. This R&D facility is also used for perfecting

We have come a long way since 1978, having received 4 International awards, 97 National awards, 33 state awards and 1 Regional award for outstanding performance in exports, R & D, Fair Business Practices, Entrepreneurship, etc.

new product development and new applications coming up from interaction with our customers and end users. Superior quality with prompt customer service, has assured us a committed customer support in the global markets since last 26 years.

ISO 9001:2000



AWARDS & ACCOLADES



ISO 14001:2004



Jain Irrigation Systems Ltd.
Small Ideas. Big Revolutions.®

TURKEY

Jain Sulama Sistemleri San. Ve Tic. A.S. (Turkey)

Krizantem Sok. No:60 34330 1.Levent/ Istanbul Tel: +90 212 269 85 85 Fax: +90 212 269 76 66
Contact Person: Hasan Er; GSM: +90 530 978 8386 / Email: hasan.er@jains.com.tr

Email: infotr@jains.com.tr

www.jains.com

Europe
Jain (Europe) Limited
Tel: +44-208-326-5900,
Fax: +44-208-326-5929

Jain Plastic Park, N.H. No. 6,
Jalgaon - 425001. India.
Tel: +91-257-2258011/22;
Fax: +91-257-2258111/22;

USA
Jain (Americas) Inc.
Tel: +1-614-850-9400,
Fax: +1-614-850-8600