

PLASTICS FOR THE WORLD

CHAIRMAN SPEAK

Sabin Plastic Industries LLC is the brain child of our Chairman Mr. Satish Gadoya (a successful techno commercial person & an engineer turned entrepreneur) and our Managing Director Mr. Sachin Gadoya. Both of them involve themselves in the day to day operations of the company and dedicatedly contribute to the development & progress of the brand that's Sabin. Being extremely quality-conscious, both these entrepreneurs pay comprehensive attention to the infrastructure & the facilities of the business such that customers are always happy with the products delivered.

With a humble beginning in 1997, using only injection moulding machines for various plastic components, Sabin Plastics has slowly but steadily emerged as a successful trader of Acrylic, PVC, Aluminium & Polycarbonate sheets for the decoration, construction & advertisement industries.

At Sabin, we've successfully introduced plastic products to various industries such as Construction, Aluminium & Glass, Kitchen Cabinet, Packaging, Caps, & Closures, Food & Beverages, Electrical Fittings, Furniture Fittings, Sports, Printing, and many more engineering applications.

Over the past few years, Sabin has taken giant strides on its path to glory & is well ahead on its mission to be a one-stop-shop for all high-end engineering requirements. At Sabin, we understand the expectations one has from high-end precision component manufacturers. We strongly emphasize on timely deliveries, process improvement, economic pricing of products, and training & recruitment of personnel as per the current market & professional demands.

With our passion to achieve engineering excellence, we have so far been very successful in our endeavour to consistently upgrade our machinery, design futuristic testing facilities, and completely satisfying customer needs. As we move ahead in this unmatched business endeavour of ours, we invite you to share this very experience & excellence called 'Sabin'.

Welcome aboard.

Mr. Satish Gadoya
Chairman



OUR PROMISE



QUALITY

Sabin Plastic Industries LLC believes in the selection of 4M (Men, Machine, Method & Material) to ensure the desired level of Quality. This is achieved by employing highly skilled professionals, state of the art machinery such as Conventional Tool Room Machinery; International Standard CNC - Injection Moulding Machines of different tonnage / capacity; essential ancillary equipments and machines to support the molding unit and by using Virgin Grade Plastic Raw Materials for our production.



PRODUCTS

At Sabin Plastic Industries LLC, quality focus is enforced at every aspect, right from Design to Delivery. Quality and customer's requirements are given paramount importance during every stage of production. All processes are continually monitored with rigorous inspection at various stages. By understanding the professional requirements, we are planning to for the ISO Certification.

With the proper selection of raw materials and its grade being 100% Pure and Virgin and imported from reputed brands of Europe and Middle East, our products are of high Quality and International standards and widely accepted not only in the UAE, but also throughout the globe.



CUSTOMER'S SATISFACTION

With our main emphasis on customer satisfaction, Sabin Plastic Industries LLC has a proved track record for more than eight years of converting customer needs into superior products with competitive cost, high quality, optimum lead time, on-time delivery, and value added service. As of today, Sabin Plastic Industries LLC holds the prestigious customer base comprising of companies from all over the world.



LOOKING AHEAD

From a humble beginning in 1997, today Sabin Plastic Industries LLC has grown into a corporation and is capable of executing turnkey projects from product conceptualization to production. In the coming years Sabin Plastic Industries LLC would like to be a trusted partner for all the leading manufacturers, who are turning their heads towards us for quality and economic pricing. At Sabin Plastic Industries, we nurture technology for the cause of a better tomorrow.

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ACRYLICS FROM SABIN

Acrylic is generally considered to have the best optical clarity of all the materials. It also has greater surface hardness & machines more cleanly. It comes in many more colours and thickness & is easier to get custom colours & special effects.

At Sabin, you'll find acrylic sheets in a wide range of sizes and thickness. We are tied up with major acrylic brands such as Perspex, Thaipoly, Asiapoly, Plaskolite & UB Acrylics and few others in the rank. The uniqueness of our acrylics lies in their durability, clarity, consistent quality, versatility, ease of use, & outstanding performance.

We also supply few other kinds of sheets that have their own unique advantages...

- We have acrylic sheets with excellent light transmission. Clearer than glass! Even after prolonged exposure the Sun, they will not yellow.
- Despite heat, cold, sunlight, and humidity our acrylic sheets maintain their original appearance & colour.
- We also have shatter-resistant, earthquake-safe, & burglar-resistant acrylic sheets that are of increase safety to windows glazed of acrylic.
- For strength and durability, we have acrylic sheet that are only half the weight of glass.
- For specific industries, we also have acrylic sheets that resist many chemicals, including ammonia, dilute acids, and aliphatic hydrocarbons.

In short, whatever be your need, from construction to interiors to advertising or from gifts items to furniture to desktop items to wall hangings...

Sabin has the right stuff just a call away.

Characteristics

- Non conductor of heat & electric current
- Conveniently & easily machinable by sawing, filing, drilling, shearing, engraving, etc. Sheets & cut-outs can easily be bonded together. Silk screen painting on the surface is simple.

Applications

- Advertising & signage
- Skylights, roof lights & domes
- Illuminated features & dance floors
- Interior displays
- Point of Sale Displays
- Safety Glazing
- Automotive accessories
- Architectural displays
- Canopies, arches & barrel vaults
- Shower screens & bath enclosures
- Furniture & accessories
- Sculptural & themed structures
- Gifts & stationery
- Desktops, wall hangings & mementoes
- Aquarium equipment
- Picture frames
- Kitchen cabins
- Shop fittings



Product Range
STANDARD ACRYLIC SHEETS

A-CAST[®]

Clear

mm (Feet)	1 mm	1.5 mm	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
1220 X 1830 (4X6)	•	•	•	•	•	•	•	•	•	•
1220 X 2440 (4X8)		•	•	•	•	•	•	•	•	•
2030 X 3050					•	•	•	•	•	•

mm (Feet)	12 mm	15 mm	18 mm	20 mm	25 mm	30 mm	40 mm	50 mm	60 mm
1220 X 1830 (4X6)	•	•	•	•	•	•	•	•	•
1220 X 2440 (4X8)	•	•	•	•	•	•	•	•	•
2030 X 3050	•	•	•	•	•				

**For specific colours in sizes other than the above-mentioned availability, please contact our office.

Opal / Opaque White

mm (Feet)	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	18 mm	20 mm
1220 X 1830 (4X6)	•	•	•	•	•	•	•	•	•	•	•	•
1220 X 2440 (4X8)	•	•	•	•	•	•	•	•	•	•	•	•
2030 X 3050			•	•	•	•	•	•	•	•	•	•

Colours

mm (Feet)	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
1220 X 1830 (4X6)	•	•	•	•	•	•	•	•
1220 X 2440 (4X8)	•	•	•	•	•	•	•	•

Frosted

mm (Feet)	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	18 mm	20 mm
1220 X 1830 (4X6)	•	•	•	•	•	•	•	•	•	•
1220 X 2440 (4X8)	•	•	•	•	•	•	•	•	•	•
2030 X 3050				•		•				•

Technical Properties

Properties	Test Method	Unit
Relative Density	ISO 1183	1.19 g/cm ³
Rockwell Hardness	ISO 2039-2	102 M Scale
Water Absorption	ISO 62	0.21%
Flammability - 1	DIN 4102	B2
Flammability - 2	UL 94	HB
Flammability - 3	BS 476, Pt 7	Class 3
Tensile Strength	ISO 527 (5mm/min)	75 Mpa
Tensile Modulus	ISO R527 (5mm/min)	3200 Mpa
Elongation at Break	ISO 527 (5mm/min)	4%
Flexural Strength	ISO 178 (2MM/MIN)	116 Mpa
Flexural Modulus	ISO 178 (2mm/MIN)	3210 Mpa
Chirpy Impact Strength	ISO 179 (un-notched)	12 kJ.m ²
Vicat Softening Point	ISO 306a	> 110°C
Coefficient of Thermal Expansion	ASTM D696	7.7 x 10.k ¹
Coefficient of Thermal Conductivity	NBN B62-202	0.17 x 10.k ¹
Specific Heat	By DTA	0.17 W (m.k)
Light Transmission	ASTM D696	1.5 J (g)K
Refractive Index	ISO 489/A	> 92% in/en/bei/in 3 mm
Surface Electrical Resistivity	IEC 93	1.49
Electrical Strength	ISO 243	> 10 m ²
Poissons Ratio	0.38	15 kv.mn ¹



HIGH QUALITY ACRYLIC SHEETS

PERSPEX®



Sabin offers a very large selection of high quality cast acrylic sheeting (with 10 years warranty) for various industries. We supply acrylics of rare quality that are renowned in the design of especially airports, railway station interiors & lifestyle markets amongst others. Our acrylics are easy to shape, fabricate & are specially designed to offer optimum performance across a wide range of applications. Our sheets can offer your innovative designers even more choice, freedom and creativity in creating projects that stand out from the rest and make a grand statement.

2030 x 3050 mm																
	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	20 mm	25 mm	30 mm	40 mm	50 mm	60 mm	70 mm
Clear	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Opal White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Silk Clear	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Polar White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Solid Colours	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Frost Colours	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Fluorescent	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sparkle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Vario	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pearlescent	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

**For specific colours in sizes other than the above-mentioned availability, please contact our office.

Applications

- Interior fittings, display, point-of-sale, visual merchandising, store design
- Elevator interiors, Ceiling tiles, restroom mirrors, displays, children's nurseries, to make infinity lights and multiple image devices, in advertising, as garden mirrors, in dance studios, home gyms, horse boxes & stables, special theatrical props, stage shows & effects
- Monitoring & surveillance operations like stores, hospitals, & casinos
- Applications in the food service industry
- Applications where safety requires the shatter resistance of acrylic plastic sheet
- Windshields for Boats & Yatches



Perspex® from Lucite® Technical Data Sheet

Table of Properties

Values quoted for the properties of Perspex® from Lucite® are the results of tests on representative samples and do not constitute specifications.

Property	Test Method	Units	GS CAST	GS IM CAST
General Properties				
Relative Density	ISO 1183	-	1.19	1.18
Rockwell Hardness	ISO 2039-2	M scale	102	98.5
Water Absorption	ISO 62	%	0.2	0.4
Flammability	BS 476 Pt 7	Class	3	3
	DIN 4102	-	B2	B2
	NFP 92-507	-	M4	-
	UL94	-	HB	HB
	ISO 11925-2	-	E	-
Mechanical Properties				
Tensile strength (5 mm/min)	ISO 527	MPa	75	62
Elongation at Break (5 mm/min)	ISO 527	%	4	-
Flexural Strength (2 mm/min)	ISO 178	MPa	116	105
Flexural Modulus (2 mm/min)	ISO 178	MPa	3210	2960
Impact Strength – Charpy (unnotched)	ISO 179	kJ.m ⁻²	12	21.7
	ISO 179	kJ.m ⁻²	-	1.2
Izod Impact Strength	ISO 180/1A	kJ.m ⁻²	-	-
Thermal Properties				
Vicat Softening Point	ISO 306 A	°C	> 110	> 110
Coefficient of Thermal Expansion - Linear	ASTM D696	x 10 ⁻⁵ . K ⁻¹	7.7	-
Optical Properties				
Light Transmission	ASTM D1003	% (0 mm)	> 92	> 92
Refractive Index	ISO 489 A		1.49	-
Electrical Properties				
Surface Resistivity	IEC 93	Ω.m ⁻²	> 10 ¹⁴	-
Electrical Strength	IEC 243	kV.mm ⁻¹	15	-

The information is given in good faith and is based on our general experience, but because of the many particular factors which are outside our knowledge and control that affect the use of products, no warranty is given or is to be implied. Freedom from patent rights must not be assumed.

MIRROR ACRYLIC SHEET

PLASKOLITE, INC.



Characteristics

- Half the weight of Glass Mirror
 - Acrylic mirror is shatter resistant with extensive design flexibility
 - It can be cut straight edged or curved shapes by sawing / laser
 - Can be machined and drilled
- Is highly reflective with all sheets protected on the front surface with clear film or paper masking

Sizes

1220 x 1830 mm (4 x 6ft)			
	2 mm	3 mm	6 mm
Silver	•	•	•
Gold	•	•	•
2 Sided	•	•	

1220 x 2440 mm (4 x 8ft)	Silver	Gold	Green	Blue	Yellow	Bronze	Grey	Amber
2 mm	•	•						
3 mm	•	•	•	•	•	•	•	•
6 mm	•	•						

1220 x 2440 mm (4 x 8ft)	Pink	Red	Purple	Non Glare	See Thru	Prismatic	Anti Fog
2 mm							
3 mm	•	•	•	•	•	•	•
6 mm							

*For specific sizes other than the above-mentioned availability, please contact our office.

Plaskolite Mirror Acrylic Technical details

Physical Properties	ASTM Test Method	Units	Values
Specific Gravity	D-792		1.19
Optical Refractive Index	D-542		1.49
Light Transmittance Total	D-1003	%	92
Haze		%	2
Sound Transmission	E 90 E 413	db	27
Water Absorption	D-570	% By Weight	0.40
Shrinkage	D-702	% Shrinkage	<5%

Mechanical			
Tensile Strength - Max.	D-638	psi	11,030
Tensile Elongation - Max.		%	5.8
Tensile Modulus of Elasticity		psi	490,000
Flexural Strength - Max.	D-790	psi	17,000
Flexural Modulus of Elasticity		psi	490,000
Izod Impact Strength - Molded Notch	D-256	ft-lb/in Notch	0.4
Izod Impact Strength - Milled Notch		ft-lb/in Notch	0.28
Tensile Impact Strength	D-1822	ft-lb/in ²	20
Abrasion Resistance	D-1044		
Change in Haze			
0 cycles		Haze, %	0
10 cycles		Haze, %	11.2
50 cycles		Haze, %	24.0
200 cycles		Haze, %	24.9
Rockwell Hardness	D-785		M-95

Physical Properties	ASTM Test Method	Units	Values
Maximum Recommended Continuous Service Temperature		°F	170-190
Softening Temperature		°F	210-220
Melting Temperature		°F	300-315
Deflection Temperature 264 psi	D-648	°F	203
66 psi		°F	207
Coefficient of Thermal Expansion -30 to 30°C	D-696	in/(in-°F) x10 ⁻⁵	3.0
Thermal Conductivity	C-177	BTU-ft/ (hr-ft ² -°F)	0.075
Flammability (Burning Rate)	D-635	in/minute	1.019
Smoke Density Rating	D-2843	%	3.4
Self-Ignition Temperature	D-1929	°F	833
Flame Spread Index	E-84		115
Smoke Developed Index			550

Chemical			
Resistance to Stress - Critical Crazing Stress to:	ARTC modification of		
	MIL-P-6997		
Isopropyl Alcohol		psi	900
Lacquer Thinner		psi	500
Toluene		psi	1,300
Solvesso 100		psi	1,600



ACRYLIC RODS & TUBES



Acrylic rods & tubes have been part of a wide range of applications in industry, product design, home furnishings, and displays. Clear, lightweight acrylics enhance the beauty of any exhibit. Acrylic is easily fabricated without costly tooling charges, can be heat formed for a variety of desired effects, and is easily printed or embossed upon.

Characteristics

- Acrylic Rods & Tubes are unaffected by sunlight or fluorescent lights, resist aging and maintain stability under a wide range of conditions.
- Acrylic materials weigh half as much as glass & have up to seventeen times greater impact resistance than glass.
- Certified for food contact, these materials are odourless & tasteless.
- Acrylic rods & tubes are easily fabricated, shatter resistant & very durable.

Applications

- Staircase Railings
- Display Solutions, POP, POS
- Gifts, Novelties, Stationery
- Furniture fabrications

Types of Acrylic Rods & Tubes

- Coloured Acrylic Rods
- Clear Cast Acrylic Rods
- Corner Moulding
- Half Round
- Spiral Rod
- Frosted Acrylic Rods



Product Range

Tubes (Standard 2 Metres Length)

OD X ID	6 x 4	10 x 8	12 x 8	15 x 11	20 x 16	25 x 21	30 x 26	40 x 36	45 x 41	50 x 46
Clear	•	•	•	•	•	•	•	•	•	•

OD X ID	60 x 56	70 x 64	80 x 75	100 x 94	120 x 114	150 x 114	200 x 192	250 x 242	300 x 290	400 x 390	500 x 490	600 x 590
Clear	•	•	•	•	•	•	•	•	1.2mtr (1200 mm)	1 mtr (1000 mm)	1 mtr (1000 mm)	1 mtr (1000 mm)

Rods

Standard 2 Metres Length									
3 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	20 mm	25 mm	30 mm
•	•	•	•	•	•	•	•	•	•

35 mm	40 mm	45 mm	50 mm	60 mm	70 mm	80 mm	100 mm	120 mm	150 mm
•	•	•	•	•	•	•	•	•	•

General Physical Properties

Properties	Test Method	Unit	Values
Specific Gravity	D 792	-	1.19
Refractive Index	D 542	-	1.49
Light Transmission	D 1003	%	93
Tensile Strength	D 638	kg / cm ²	740
Tensile Elongation	D 638	%	5
Flexural Strength	D 790	kg / cm ²	1200
Flexural Modulus	D 790	kg / cm ²	3.4 x 10
Rockwell Hardness	D 785	Scale M	100
Impact Strength - Izod V Notched	D 256	kg / cm cm ²	1.6
Specific Heat	-	Ca / °C / g	0.35
Thermal Conductivity	C 117	Kcal / n · hr · °C	0.18
Heat Distortion Temperature	D 648	°C	100

**For specific colours in sizes other than the above-mentioned availability, please contact our office.

**We Also Provide Acrylic Accessories & Glue. For Details, Contact Our Sales Offices.



ALUMINIUM COMPOSITE PANEL



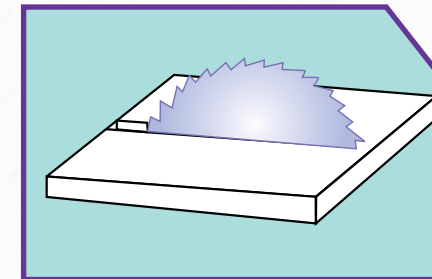
Our Aluminium Composite Panel (ACP) is manufactured by using advanced technology from across the globe. The panel consists of 2 layers of virgin aluminium skin and polyethylene (PE) core or fire retardant (FR) core. The front surface is protected by protective film. For exterior grade, the outer skin is coated with Kynar 500 PVDF Polyvinylidene Fluoride (PVDF) and lower skin is coated with polyester, which has good weather resistance performance.

Panel Dimensions

- Standard Size : 1220 x 2440, 1250 x 3050
1550 x 3050mm
- Custom Length : upto 6000 mm
- Thickness : 2, 3, 4, 5, 6mm
- Available Colours : 24 kinds of Standard Colour,
9 Kinds of Special Finish

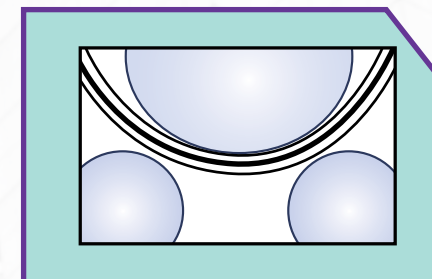
Labels in diagram: Aluminium Skin, Primer coating, PVDF Face coating, PVDF light coating, Protective film, Polyethylene Core, Anti corrosive primer, Anti corrosive protecting film, Aluminium Skin.

FABRICATION



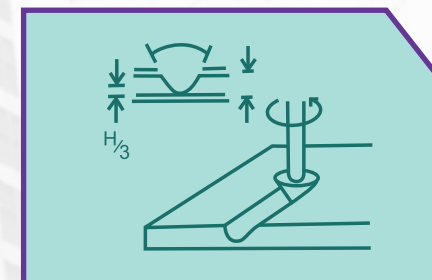
Saw Cutting

It can be cut by using woodworking or metalworking saws. The super fine cutting blade is recommended to prevent edge ragged.



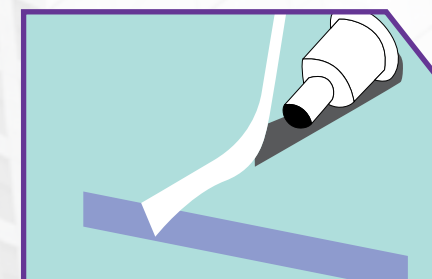
Bending & Curving

It can be bent by using three-pointer or three-roller machines. Also it can be brake formed from 0 to 90 degree by using hydraulic brake press.



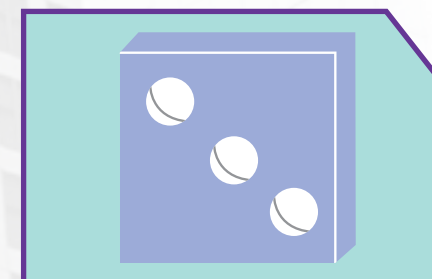
Routing

It can be routed by using circular saw with standard bits 90 to 110 degree. The bottom of groove is better to be between 1 and 2 mm. And the remaining PE core is recommended to be 0.2 mm - 0.5 mm same as the aluminium skin after route.



Welding

The ACP's edges can be welded by using the polyethylene rod and the hot welding tool.



Punching

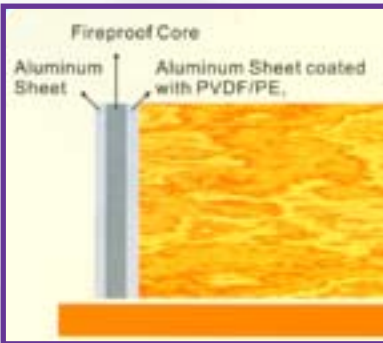
Holes can be made by punching machine.



Fire Retardant Panel
The ACP is cored with non-combustible mineral material core & aluminum sheet both sides & matches A & B1 grade fireproof index. Its fireproof feature can reach Class B1 stipulated in GB8624. Also there is no harmful gas when being on fire.

Mechanical Properties

Properties	ASTM	Unit
Panel Thickness	---	mm
Aluminum Thickness	---	mm
Weight	D 792	Kg/m ²
Tensile Strength	D 638	PSI
Yield Strength	D 638	PSI
Thermal Deformation Temperature	D 648	°C
Flexural Rigidity	C 393	---
Impact Resistance	D 732	PSI
Flexural Elasticity	D 790	Kg/mm ²
Shearing Resistance	D 732	Kgf/mm ²
Smoke Developed	E 84	---
Wind-Pressure Resistance	E 330	---
Sound Transformation Class	E 90	STC
Coefficient of Linea Thermal Expansion	D 696	mm/mm °C

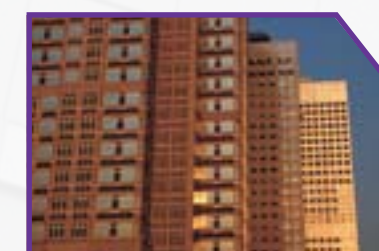


Fire Retardant Properties

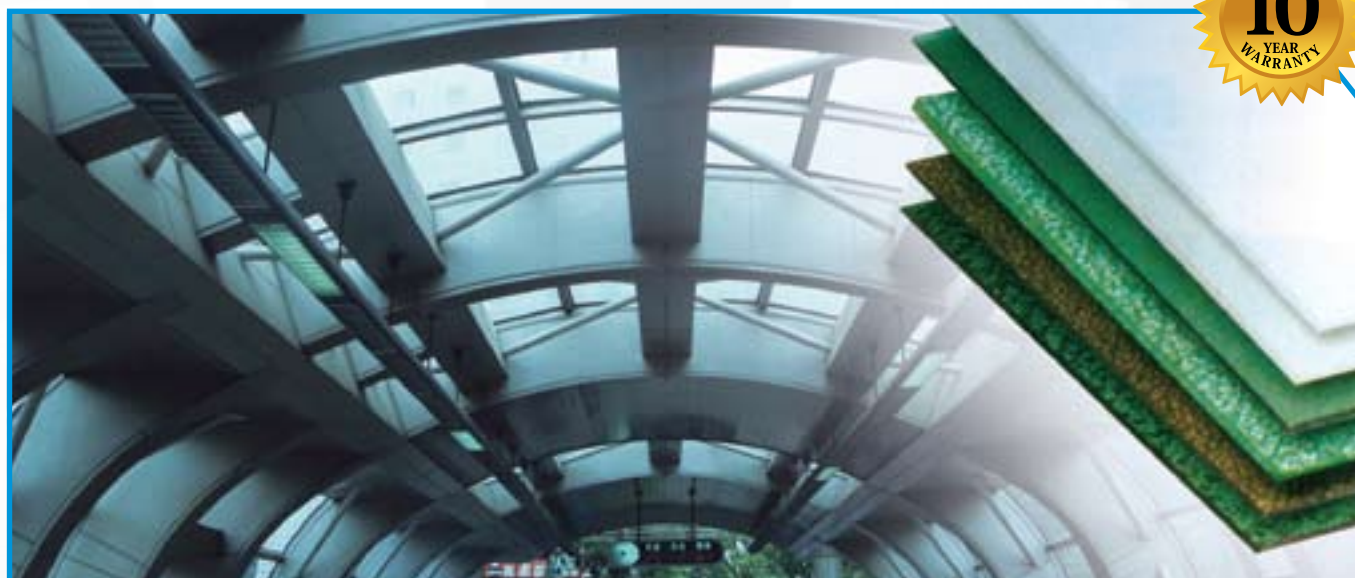
Test Item	Test Method	Technical Index	Test Result
Min Length after Burning	GB/T 8625-88	> 0 mm	410 mm
Avg Length after Burning	GB/T 8625-88	= 150 mm	486 mm
Avg Gas Temperature	GB/T 8625-88	= 200 mm	110 mm
Height of top of Flame	GB/T 8626-88	< 150 mm	15 mm
Gas Density Grade	GB/T 8627-88	= 75	34 mm
Gas Toxicity	-	25.0	25.0

Surface Coating Properties

Properties	ASTM	Criteria	Result
Coating Thickness	CNS 8406	μm	> 25
Gloss	D 523-89	At 60°	20-75
Pencil Hardness	D 3363-74	---	2H
Flexibility (T-bend)	D 4145-83	No Cracking	2T no rift
Adhesion	D 3359-87	100°C 2 Hrs	No Adhesion Loss
Abrasion Resistance	D 968-81	Falling Sand 20 Ltrs/MI	50-80 KTR No Crack
Mortar Resistance	D 605.2-90	Test 7.7.2 / 24 Hrs	24 Hrs Pat Test
Humidity Resistance	D 714-87	At 35°C	3000 Hrs No Blister
Boiling Water Resistance	D 3359-B	---	Passed
Salt Spray Resistance	D 117-94	Blister-10 Scribe-8	3000 Hrs No Blister
Acid Resistance	D 1308-87	---	Passed
Alkali Resistance	D 1308-87	---	Passed
Chalk Resistance	D 4214-89	---	Max Chalk = Rating of 8



POLYCARBONATE (PC) SHEETS & ROLLS



PC Sheets is co-extruded with high density ultra violet rays in order to provide excellent resistance against colour & surface degradation. Combination of properties in polycarbonate such as high transparency, high impact and fracture resistance, high heat resistance, good dimensional stability, good electrical insulation property, readily recyclable, and excellent process ability, has made it a popular choice for customers in many fields and it is an ideal choice for safety and security glazing to suit a wide range of applications. PC flat sheets, produced by high quality extrusion machines, have both indoor and outdoor applications. For outdoor applications, a special cap layer of UVPC materials is applied on one or both sides of the sheets.

Characteristics

- PC flat sheets have very good optical quality and surface finish.
- They have excellent mechanical, thermal and electrical properties.
- The impact strength of solid PC sheet is 200 times than that of glass.
- PC sheet can be bent while hot or cold. It is possible to construct curved roofs and windows. The minimum radius of curvature of PC sheet is 175 times of its thickness.
- The weight of solid PC sheet is only about half of glass.
- PC sheets have good weather ability, i.e. they can maintain excellent properties in a wide temperature ranging from -40°C to +120°C
- They have good formability and their recycling is easy.
- As they are inflammable, they have found wide applications in the construction industry.



Applications

Construction	Safety & Protection	Advertising
Skylights Elevator Cabins Overpass Roofing Roofing Stadiums False Ceilings Villa Gates Building Facades Sound Absorbing Barriers Bus Stops & Telephone Booths	Secure Glazing or Shielding Safety Glazing Shields for police & Security Forces Anti-bullet Windows Train & Airplane Windows Safety Helmet Visors	POS & POP Products Display Stands Street Advertisement Light Boxes

Product Range

Colours / White Solid PC Sheets									
mm (Feet)	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
1220 X 2440 (4X8)	•								
2050 X 3050		•	•	•	•	•	Available on request only		

Clear Solid PC Sheets									
mm (Feet)	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
1220 X 2440 (4X8)	•	•	•	•	•	•			
2050 X 3050		•	•	•	•	•	•	•	•

Clear / Colour Embossed PC Sheets									
mm	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
2050 X 3050	•	•	•	•	•	•	Available on request only		

Clear / White PC Rolls				
	0.8mm	1 mm	1.5mm	2 mm
750 X 30500mm	•			
1000 X 30500mm		•	•	•
1220 X 30500mm		•	•	•

Technical Data

Properties	ASTM	Unit of Measurement	Value Regular
Specific Gravity	D 792	gm / cm ³	1.2
Light Transmittance	D 1003	%	> 88
Refractive Index	D 542	-	1.49
Water Absorption	D 570	%	0.3
Coefficient of Linear Expansion	D 696	10 cm / cm °C	6.8
Heat Deflection Temperature	D 648	°C	125
Continuous Operating Temperature	D 1238	°C	115
Ignition Temperature	-	°C	580
Vicat Softening Temperature	D 1528	°C	149
Tensile Strength	D 638	kg / cm ²	620
Tensile Modulus	D 638	MPa	2400
Elongation at Break	D 638	%	110
Flexural Strength	D 790	kg / cm ²	850-950
Impact Strength	D 256	kg.cm / cm ²	88
Rockwell Hardness	D 785	-	95

MULTIWALL POLYCARBONATE SHEETS



Characteristics

- PC Multi-wall sheets are good insulators for sound and heat energies.
- PC hollow sheets have very good optical quality and are easy to handle and show an exceptional low and high temperature performance, from -40°C up to +120°C.
- They have excellent mechanical, thermal and electrical properties.
- Their impact strength is 250 times a more than glass & are almost unbreakable
- They have good formability and their recycling is easy
- As they are inflammable, they have found wide applications in the construction industry
- PC hollow sheets are resistant to most of the common solvents and chemical

Applications

- PC Multi-wall sheets have special applications, where thermal insulation properties are expected.
- Greenhouses
- Clear roofing and noise reduction walls
- Overpass roofing
- Skylights
- Sidewall of the stairs
- Swimming pools roofing
- Exhibition stands
- Partitioning

Product Range

Multi Wall Sheets							
mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	16 mm
2100 x 5800	•	•	•	•	•	•	•
2100 x 11800	Available upon request						

Colours Available

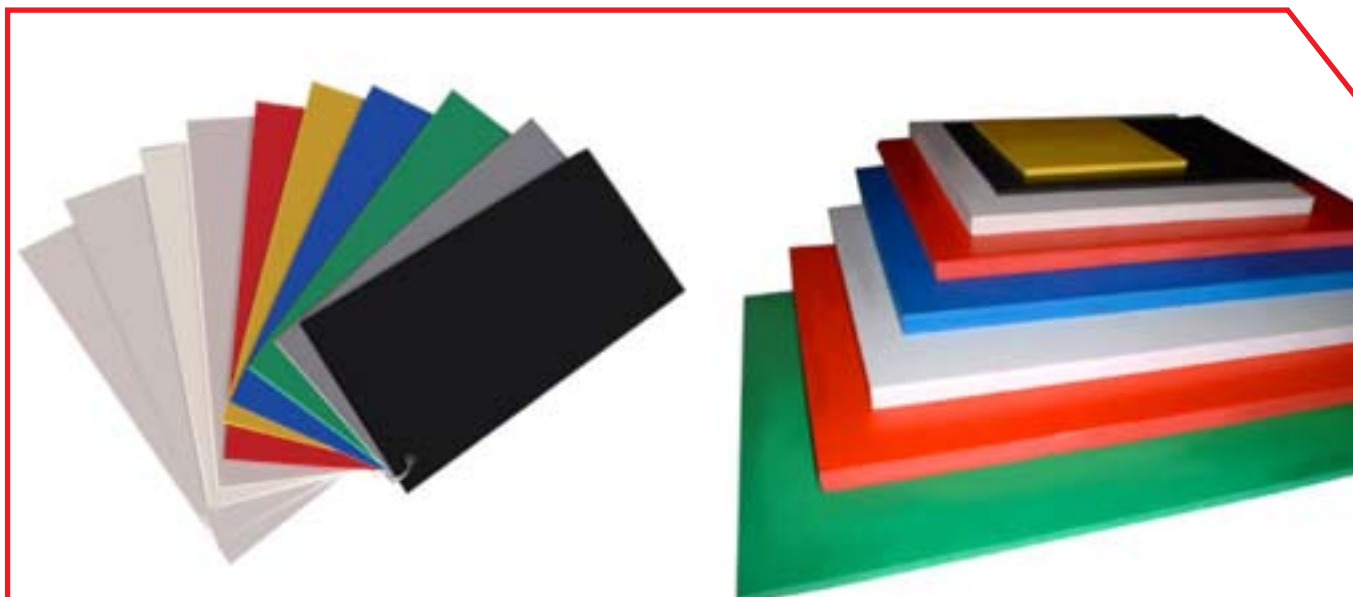
- Clear transparent
- Opal white
- Transparent blue
- Transparent green
- Transparent bronze
- Transparent red
- Transparent yellow
- Custom colours can be done, subject to fulfilment of our minimum order levels

Technical Data

Characteristics	Unit	Polycarbonate Hollow Profile sheet Data
Impact Strength	J/m	2.1~2.3
Light Transmission	% percentage	40~82
Specific Gravity	g/cm ³	1.2
Coefficient Thermal Expansion	mm/mtr	0.065
Service Temperature	Degree C	-40~+120
Heat Conductivity	W/m ²	3.0~3.9
Tensile Strength	N/mm	60
Flexural Strength	N/mm ²	100
Modulus of Elasticity	Mpa	2400
Tensile Stress at Break	Mpa	65
Elongation at Break	% percentage	100
Effect of Sound Proof	dB	20 decibel decrease for 6mm solid sheet



PVC FREE FOAM SHEETS



PVC Free Foam Sheet is a chemically foamed, rigid, light weight extruded sheet with fine & homogeneous closed cell structure having a smooth matt surface finish on both sides. Sabin offers a superior quality, extremely versatile PVC foam sheet that is supplied as a standard with polyethylene masking on one side or without coating on request. The masking film removes cleanly revealing a smooth surface finish ideally suited for screen and digital printing applications.

Characteristics

- Easy to fabricate
- Lightweight
- Outstanding Printability
- Fine Cell Structure
- Low Flammability
- Weather Proof
- Corrosive
- Non-Toxic
- High Impact Strength

Applications

- Advertising Signs
- Display Stands
- Exhibition Stands
- Interior Designs
- Bathroom Fittings
- Models & Prototypes
- Panels & Cabins
- Embossing & Engraving
- Thermoforming
- Lumber
- Trim Board



Product Range

1220 x 2440mm (4 x 8ft)	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	18 mm	20 mm
White	•	•	•	•	•	•	•	•	•	•	•	•
Other Colours			•									

2030 x 3050mm (2 x 3mtr)	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	18 mm	20 mm
White		•	•									
Other Colours			•									

1500 x 3050mm (1.5 x 3mtr)	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	18 mm	20 mm
White		•	•									
Other Colours			•									

**Colours Available Yellow, Blue, Red, Green, Grey, Black

Technical Data

Properties (Polypropylene)	Unit	Value
Density	gm/cm ³	0.5 - 0.65
Shore Hardness D Scale	-	-
Tensile Strength	N/mm	8.0 - 16.0
Elongation at Break	%	15
Flexural Strength	N/mm	20
Compressive Strength	N/mm	2.5
Impact Strength	kJ/m	10.0 - 15.0
Linear Thermal Expansion	mm/m C	0.06 - 0.07
Vicat Softening Point (A)	C	73 - 78
Heat Deflection Temperature	C	66
Weather Stability	-	3
Dielectric Strength	KV/mm	14
Fire Resistance Rating	-	B1



INKJET MEDIA



Product Range

- Transparent PET Film
- Reverse Print Backlit Film
- Front Print Film
- Synthetic Photo Paper (Glossy)
- Synthetic Photo Paper (Matte)
- Adhesive Synthetic Photo Paper (Glossy)
- Adhesive Synthetic Photo Paper (Matte)
- Adhesive White PVC Vinyl
- Gloss Silk Fabric
- Art Canvas
- Cold Lamination Film
- One Way Vision

Width	Length	Ink	Durability
36"			
42"	18m (60ft)	Dye based	Indoor
50"	30m (100ft)		
60"			



SOLVENT / ECO-SOLVENT MEDIA

With the rise of solvent and eco-solvent printers, solvent media has become a staple in the market. We believe that the products that we are offering are the best of what's available. Covering markets like vehicle graphics and outdoor signage, the vivid offerings by us are going to perform.



PRODUCT RANGE

Backlit Flex (Glossy / Matt): Available for screen printing & digital printing. Printable with Vutek, Scitex, DGI, HP and many other solvent printers.

Sizes Available

Roll Length (Meters)	Roll Width (Meters)	Roll Width (Inches)
50	1.07	42
50	1.22	48
50	1.37	54
50	1.63	64
50	1.83	72
50	2.23	87.5
50	2.5	98
50	3.2	126

Application: Sign Boards, Advertising, etc.



Frontlit Banner (Glossy/Matt): Available for screen printing & digital printing. Printable with Vutek, Scitex, DGI, HP and many other solvent printers.

Sizes Available

Roll Length (Meters)	Roll Width (Meters)	Roll Width (Inches)
50	1.07	42
50	1.22	48
50	1.37	54
50	1.63	64
50	1.83	72
50	2.23	87.5
50	2.5	98
50	3.2	126

Application: Hoardings, Banners, Advertising, etc

PVC Adhesive Vinyl (Glossy / Matt)

Sizes Available

Roll Length (Meters)	Roll Width (Meters)	Roll Width (Inches)
30, 18	0.914	36
30, 18	1.06	42
30, 18	1.27	50
30, 18	1.52	60

Application: Bill boards, posters, exhibition & pop advertisement, vehicle advertisement.

Features:

1. Super quality glue, with long lasting and easy tearing from object surface features.
2. Used for long term outdoor signs, exhibition panels and displays.
3. Easily mounted on smooth surfaces.
4. Waterproof

One Way Vision:

Sizes Available

Roll Length (Meters)	Roll Width (Meters)	Roll Width (Inches)
30	0.98	38.5
30	1.27	50
30	1.37	54
30	1.52	60

Application:

1. Vehicle Graphics / Advertisement
2. Window Advertisement on buildings, offices & shops.
3. Application on transparent glass, acrylic and polycarbonate
4. Retail outlets, POP displays etc

Features:

1. Special material surface, easy to absorb ink and brilliant graphics.
2. Long removability with no adhesive
 - Photopaper (Matt / Gloss)
 - Blue Back Paper
 - Backlit Film
 - PET Banner



LIGHT BOXES & DISPLAY PRODUCTS

We specialize in many kinds of portable display equipments of their own characteristics, mainly as follows: Roll-up series; POP-UP Display series; Alu-line pavement stand series(or A-boards series); Slanting standing poster; Portable folding brochure shelf series; Retractable banner stand series; L banner stand series; x banner stand series(or Y banner stand series); Wall picture shelf series; Promoter series; Triple banner series; Twin banner series; show screen-one sided, etc. The equipments are well known with best quality, elegant & natural drawing line, light weight, easy to carry and set up and are your ideal tools to display your image perfectly.

Pop Up Stand



Classic Pop Up

3x3, 3x4
Material: Aluminium, Steel, PVC, Plastic

Pop Up Stand



Magnetic Pop Up

3x3, 3x4
Material: Aluminium, Steel, PVC, Plastic

Roll Up Stand



Classic Pop Up

Printing Size: 85x200cm / 120x200cm
Material: Aluminium, Steel, PVC, Plastic

Roll Up Stand



Luxury Roll Up

Printing Size: 83x205cm
Material: Aluminium, Steel

Roll Up Stand



Classic Pop Up

Printing Size: 85x300cm
Material: Aluminium

Brochure Holder



Material

Acrylic

Zig Zag
Size: A4

Normal

Acrylic
Size: A4

Menu Stand



Size: A3 & A4
Height Adjustable (1.6 - 1.8m)

Menu Stand



Size: A3 & A4

White board back panel



Size: 50x70cm, 60x85cm, 70x100cm

ENGRAVING SHEETS



Engraving Sheet is a kind of material for engraving, which is widely applied in the production of sign boards, name plates, lighting advertising boards, gift arts, information boards, interior decoration, etc.

The main processing ways for double-color plastic sheet are:

- Cover Cutting
- Sawing
- Carving
- Gilding
- Laser-Treating
- Bending
- Bonding

Colours Available

- Gold/Black
- Silver/Black
- Black/White
- Red/White
- White/Red
- Yellow/Red
- Yellow/Black

Specifications:

Surface (look like)	Length*width (mm)	Thickness(mm)
PVC back engraved	1200*600	1.5±0.1

We also can supply customized engraving sheets according to your specific requirements.



FOAM BOARDS



Lightweight board with pigmented chromo-substitute carbon-sheet covering layers

Product Range

Size (mm)	Thickness		Colour
	5	10	
1220 x 2440	✓	✓	White
1220 x 2440	✓	✓	Black

Characteristics

Application	Classic decor, screen print & punch plate, ideal base for all creative artwork, modelling & presentation base plate, passepartout, framing and support plate
Panel Construction	Sandwichement with PURigid foam with pigmented chromo-substitute carton-shet covering layers
Behaviour in External Conditions	The sheet is not flame retardant The foam shows no water absorption, only in cut cells The layer is not resistant against water/humidity
Chemical Effects	The foam is resistant against solvents & glues that contain toluol; please make trials. The layer is resistant against glues and inks



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