

A

ABS (Acrylonitrile Butadiene Styrene)

ABS sheet is a strong, durable production grade thermoplastic.

Applications: Signage and vacuum formed displays.

Benefits: Can be thermo formed, has excellent durability and impact strength, handles extreme heat and cold well and is suitable for interior and exterior applications.

Specifics: Available in a variety of thicknesses (12 pt, 20 pt, 30 pt, 40pt, 60pt). White and black are standard colours. Custom colours are subject to quantity restrictions.

Acetate Sheet:

Clear acetate sheet is often interchangeable with clear vinyl.

Applications: Graphic arts, packaging, overlays. Most ink colours like red, green, blue, etc. are not opaque enough for clear vinyl. They print transparent on clear vinyl and most likely will need an additional white ink base printed underneath.

Benefits: Optically clear, dimensionally stable, printable, can be thermo formed and die cut. Acetate is economical and is available in sheet and rolls.

Specifics: Available thicknesses .003" – .020". Clear is standard and colours are available on request.

Acrylic Sheet (Poly Methyl Methacrylate)

Often referred to as Plexiglass[®], acrylic is a versatile thermoplastic sheet made from the polymerization of acrylic or methacrylic acid esters. There are two basic grades, cast, continuous cast and extruded.

Applications: All types of signage, displays, cut out letters, and glazing. Acrylic is one of the best materials for exterior use due to its good UV stability, strength and glass like appearance.

Benefits: Acrylic is lightweight, strong, and available in a variety of surface finishes, Acrylic can be cut, CNC machined, glued, heat bent, thermo formed, painted, printed and engraved.

Specifics: Available in a variety of thicknesses from .060" up to 10" and thicker and available in clear, white and a wide variety of standard sign and decorative colours.

Aluminum Composite Panel.

Commonly known as Alucobond[®] or Di bond[®]. Aluminum composite panel (ACP) also aluminum composite material, (ACM) is a type of flat panel that consists of two thin aluminum sheets bonded to a non-aluminum core. The core is commonly low density polyethylene, or a mix of low density polyethylene and mineral material to exhibit fire retardant properties.

Applications: External wall cladding, facades, signage.

Benefits: Lightweight, durable and dimensionally stable. Inks and vinyl graphics adhere well to composite sheet.

Specifics: Standard thickness is 3/4mm. ACM panels are available in white, black and standard colours.

B

B Flute Corrugated paper

B flute, a paper based material is probably the most common type used because of it's all around good performance.

Applications: Good for inner pack and die cut applications. Recommended for indoor use.

Specifics: Measuring 7/64" – 1/8" in thickness.

BC Flute Corrugated paper

BC flute is a paper based double wall material that combines the B & C flutes.

Applications: It is commonly used in outer shipping containers and medium-duty bulk bins.

Specifics: Measuring 1/4" – 19/64" in thickness.

C

Card Stock: Display Board

Paper based material often referred to as “cover stock” or “pasteboard”. Card stock is thicker than traditional printer paper and thinner than other types of paperboard.

Applications: Applications include business cards, postcards, product labels, catalogue covers and other applications requiring higher durability. Mainly used for interior applications.

Benefits: Can be printed two sides and over varnished with UV curable inks for limited outdoor exposure. Card stock is usually smooth but it can be supplied with textured, metallic or glossy surface.

Specifics: Available in a variety of thicknesses (10 pt, 16 pt, 24 pt, 40 pt)

Co-polyester : PET-G

PETG is a modified member of the polyester family.

Applications: Used for POP displays, food, cosmetic and pharmaceutical trays and blister packaging. Co-polyester can also be used for sign applications.

Benefits: Excellent clarity, excellent resistance to abrasion or impact, easily printable, can be thermo formed to shape, scored and bent without heat and is durable to temperatures as low as –28 Celsius. Co-polyester can be used for interior and exterior applications.

Specifics: Available in a variety of thicknesses (20 pt, 30 pt, 40 pt). Clear is the standard but can be ordered in custom colours.

Corrugated Plastic Sheet: Coroplast®

Corrugated plastic is a polypropylene plastic imitation of cardboard.

Application: Interior or exterior signage, real estate, election signs, dump bins, advertising posters and packaging.

Benefits: Best suited for decoration with solid colours and coarse detail. Material is durable,, water-resistant, strong but lightweight and cost effective. Corrugated plastic is stronger, weather resistant and suited to outdoor applications as opposed to paper based corrugated products.

Specifics: Available in a variety of thicknesses from 1mm – ½". Corrugated plastic is available in white and a variety of standard colours.

D Duraplast®

Duraplast is a high density foam centered sheet sandwiched between two polystyrene liners..

Applications: Printing, photo mounting, sign and display applications.

Benefits: Durable, light weight, printable.

Specifics: Thickness range from 3/16" – 1" and it is available in white and black. Custom colours are available on request.

E E-Flute Corrugated

This is a single wall paper based board consisting of "crinkled" paper sheet (the flute) glued in-between two sheets of paper liner.

Applications: Temporary displays, POP boxes, packaging

Benefits: Highly biodegradable and a strong alternative to paper board. E flute has a smoother finish and superior printing surface compared to other corrugated materials.

Specifics: Thickness ranges from 1/16" – 3/32".

EB Flute Corrugated

Paper based double wall material combining the E flute with the commonly used B flute.

Applications: Good for heavy duty printing where impact protection is required.

Specifics: .Measuring 5/32" – 11/64" in thickness.

F

Foam board: Fome-Cor[®]

Foam board is a polystyrene core sheet covered two sides with white clay coated paper.,

Applications: Interior signage, letters, model making, photo mounting, picture framing, store window displays, themed displays and cut out shapes.

Benefits: Water-resistant for outdoor applications when printed with a protective clear coat
Impressive strength to weight ratio. Ideal for screen and digital print processes.

Specifics: Foam board is available in 1/8", 3/16" and 3/8" thicknesses and in white or black.

G

Gatorboard: Gator Foam[®]

A core sheet of high density polystyrene bonded between two layers of thin grade wood fibre paper.

Applications: Trade show exhibit booths, photo mounting, store window displays, signs and cut out letters. Mainly used for interior applications but can be used outdoors if pre-treated to with stand moisture.

Benefits: Lightweight, good dimensional stability, smooth surface and can be CNC machined.
Gator board is ideal for printing and finishing with vinyl graphics.

Specifics: Standard thicknesses range from 3/16" up to 2". Standard colours are white and black.

Gatorplast[®]

A core sheet of extruded polystyrene foam board bonded between two layers of high impact polystyrene sheet. to provide a durable lightweight board with a smooth surface finish.

Application: POP displays, exhibits/kiosks, interior signage, store window displays and cut out shapes. Not recommended for exterior use.

Benefits: Water resistant, good for vinyl lettering, painting and printing.

Specifics: Standard thicknesses are 3/16" and 1/2". Gatorplast (R) is available in white and black.

K

Komatex™

Komatex™ is an expanded closed cell foamed PVC with a matte finish. Komatex is often referred to as Sintra®

Applications: Primarily used indoor and medium term outdoor signage, POS displays, kiosks, hanging signs and trade show exhibits.

Benefits: Komatex™ can be heat bent, CNC machined and glued. Komatex™ is light weight, rigid, durable and easy to fabricate. The material can be printed and finished with pressure sensitive vinyl graphics.

Specifics: Available in a variety of thicknesses (1mm, 2mm, 3mm, 5mm, 6mm, 13mm) . It is available in white, black and a variety of standard colours.

M

Magnetic Paper:

A paper based sheet or roll material that is magnet one side and paper the opposite side to accept printing inks, crayon or pencil.

Applications: Promo items, crafts, signs, displays, and novelties.

Benefits: Cost effective, flexible, printable and can be die cut. Magnetic paper is recommended for interior use.

Specifics: Standard thickness is .008" (8pt.). Available in white with matte and gloss finishes.

Magnetic Sheet:

A thermoplastic with hi-intensity, multi-pole magnetic arrangement designed to adhere to most metallic surfaces.

Applications: Fridge Magnets, promo items, vehicle signs, displays.

Benefits: Durable, printable, weather resistant material that can be die cut. Magnetic sheet is suitable for exterior use.

Specifics: .Standard thicknesses are .015", 020" and 030". Magnetic sheet is available in white and natural.

Matte Calendered Vinyl

Matte Calendered Vinyl is a smooth, matte finish poly vinyl chloride with adhesive one side.

Applications: Decals, labels and stickers.

Benefits: Easily printable surface with excellent durability and tear resistance. Matte calendered vinyl is suitable for interior and exterior use.

Specifics: Matte calendered vinyl is available in a variety of weights and colours.

P

Polypropylene

Polypropylene is a thermoplastic polymer and is also known as polypropene.

Applications: Interior signage, displays, retail clip strips, and POP displays..

Benefits: Similar benefits to Polyethylene including excellent flexibility, durability and ability to endure moisture. Polypropylene is also FDA approved.

Specifics: Available in a variety of thicknesses, 16pt, 20pt, 30 pt being the most used.

Perforated Film: Contravision®

A pressure sensitive perforated material that can be used for one way or back-lit see through graphics.

Applications: Vehicle graphics, bus wraps, store windows, building wraps.

Benefits: Printable, see through and suitable for long term use interior or exterior use.

Specifics: 4.3 mil

Polycarbonate Film

Polycarbonate film is a clear general purpose film from the thermoplastic polymer family. It can be easily thermoformed and molded.

Applications: Labels, touch pads, nameplates and overlays.

Benefits: Polycarbonate film has excellent tear resistance and ink adhesion features. It is thermo formable and can be die cut. Polycarbonate film is suitable for exterior applications.

Specifics: Thicknesses range from .010" – .030" and is available in clear and a variety of finishes.

Polycarbonate Sheet

Also known as Lexan[®] and Makrolon[®] polycarbonate is a high impact thermoplastic that is available in sheet and roll format. Polycarbonate is often used to replace glass or acrylic because of its outstanding impact resistance.

Applications: All types of exterior signs, safety shields, and security window glazing applications where impact strength is required.

Benefits: Outstanding impact resistance. Polycarbonate is thermo formable and easy to fabricate. Available in clear, white and a variety of colours and finishes

Thicknesses: Available in thicknesses starting at .040" up to ½". The main colours are clear, white and transparent bronze and grey tints. Standard sign colours can be ordered on request.

Polyethylene

Polyethylene is a polymerized ethylene thermoplastic resin. It is the most frequently used thermoplastic in the world

Applications: Interior or exterior signage, displays, clip strips, unbreakable bottles, binders, sheets for packaging, vehicle mud flaps

Benefits: Polyethylene is FDA approved and has excellent flexibility, hot/cold durability, impact strength and is abrasion and water resistant.

Specifics: Available in a variety of thicknesses 20 pt, 23 pt, 30 pt, 35 pt, 55 pt and colours on request.

Polypropylene

Polypropylene is a thermoplastic polymer and is also known as polypropene.

Applications: Interior signage, displays, retail clip strips and POP displays..

Benefits: Similar benefits to Polyethylene including excellent flexibility, durability and ability to endure moisture. Polypropylene is also FDA approved.

Specifics: Available in a variety of thicknesses, 16pt, 20pt, 30 pt being the most used.

Pressure Sensitive Vinyl

Pressure sensitive vinyl is a PVC film available in sheet and roll formats. It is available in a variety of thicknesses, colours, finishes and adhesive strength. Two primary grades are cast and calendered.

Applications: Computer cut graphics for all types of signs, vehicles, windows and displays.

Benefits: Versatile, cost effective, weather resistant, printable material that is suitable for interior and exterior use.

Specifics: Thickness ranges from 2mil – 8mil. Pressure sensitive vinyl is available in a wide variety of standard colours, finishes and sheet and roll sizes.

R

Rigid PVC (RPVC)

Rigid PVC is a poly vinyl chloride sheet that can be made softer and more flexible through the addition of plasticizers.

Applications: In sheet form used for product labels, bank and reward cards.

Benefits: A flexible, tear resistant, light weight material suitable for printing.

Specifics: Most commonly used thickness is .018”.

Ryno Board®

Ryno Board® is a high density expanded polystyrene core with 24 point liners laminated on each side.

Applications: POP Displays, signs, window displays and photo mounting.

Benefits: Warp resistant, dimensionally stable with a surface that is good for screen and digital printing. Recommended for interior use and limited outdoor applications.

Specifics: Thicknesses range from ¼” – 2” in white only.

S

Scrim Reinforced Vinyl Sheet (Banner Material)

This material is a reinforced vinyl with polyester scrim.

Application: Interior or exterior banners and pennants, trade show displays.

Benefits: 100% opaque material that can be sewn, grommeted and draped. Scrim reinforced vinyl has excellent durability and tear strength qualities making it ideal for exterior applications. Scrim vinyl can be printed and decorated with vinyl graphics.

Weights: Available in a variety of weights. Scrim vinyl is available in white and a range of sign colours.

Static Cling Vinyl

Static cling is a PVC film that sticks to smooth gloss surfaces such as glass, plastic and shiny metal.

Application: Interior Signs, Decals, Window graphics.

Benefits: Removable with no residue left behind. Static cling vinyl is scratch resistant, smudge resistant and it won't lose its shape or cling.

Thickness: The standard thickness is 8mil. Cling vinyl is available in clear, white and a variety of standard colours.

Synthetic Paper: MXM™

Synthetic paper is a durable clay modified polypropylene with same texture and feel as offset paper, but with the same tear, water and chemical resistance of plastic.

Application: Interior signage/banners, maps/charts, displays. Synthetic paper is especially suited for beverage label applications and brochure covers.

Benefits: Can be scored and bent, has excellent durability and is resistant to handling, moisture and humidity. Synthetic paper is easy to print.

Specifics: Available in a .006", .008" and .010" thicknesses in white.

Styrene (HIPS – high impact poly styrene)

Styrene is one of the most widely used thermoplastics. and is available in a variety of finishes in sheet and roll format.

Application: Interior signage, thermo formed and jewelry displays HIPS can be used in food safe applications if virgin (non-recycled) resins are used.

Benefits: Easily thermo formed to shape, printable and cost effective. High impact styrene is not good for extreme cold or heat applications. Styrene is available in sheet/roll formats, in a variety of finishes and is available in white or black and a variety of special order colours.

Thicknesses: Available in a range of thicknesses (10 pt, 20 pt, 30 pt, 40 pt, 60 pt). Standard colours are white and black. Colours are available on request subject to minimum quantity.

T

Trans White Styrene

Trans styrene is a translucent white grade of polystyrene with excellent light transmission and diffusing qualities..

Application: Back lit applications include menu displays, interior public transit vehicle advertising and posters.

Benefits: Trans white styrene exhibits even illumination when backlit and a satisfactory appearance when viewed by reflected light. Application of an anti static compound after decoration ensures dust particles do not stick to it.

Thicknesses: Available in a variety of thicknesses but .0175" is the most common.