Flat PET sheet

marpet-gfs

marpet-afs
The unique combination of exceptional properties that the Marpet-g FS and Marpet-a FS PET range offers, enable the product to be formed into endless shapes, making Marpet the perfect choice for print, fabrication and thermoforming applications.
THE MARPET PET RANGE CONSISTS OF MARPET-G FS PETG AND MARPET-A FS APET, TWO TRANSPARENT POLYESTER SHEETS THAT BOTH OFFER HIGH OPTICAL CLARITY AND LIGHT TRANSMISSION, EXCELLENT IMPACT RESISTANCE, CHEMICAL RESISTANCE AND GOOD FIRE PERFORMANCE. PET’S EXCEPTIONAL PROCESSING ABILITIES MAKE BOTH PRODUCTS IDEAL FOR THE ADVERTISING AND SIGNAGE INDUSTRY AS IT ENABLES DESIGNERS TO REALISE MORE COMPLEX SHAPES AS WELL AS FOR GLAZING AND PROTECTIVE APPLICATIONS INCLUDING POSTER COVERS AND MACHINE GUARDS.

THE FOLLOWING MATERIAL OPTIONS ARE AVAILABLE IN THE PET RANGE:

**Marpet-g FS**

*FLAT PETg SHEET*

Marpet-g FS is a clear copolyester PET sheet, ideal for hot line bending and complex vacuum forming.

Marpet-g FS PETg offers excellent strength to weight ratio, outstanding optical clarity, superior chemical resistance, durability, good fire performance and is 100% recyclable. Key benefit is the exceptional ease of workability and thermoformability it offers, particularly at low temperature for fabrication, print and display applications.

**Marpet-a FS**

*FLAT aPET SHEET*

Marpet-a FS is a high optical grade PET sheet, ideal for flat and cold bending applications.

Marpet-a FS aPET is a range of high optical grade amorphous PET sheets that combine exceptional quality, excellent transparency, impact strength, chemical resistance and fire performances. Its ability to cost effectively machine and cold bend lends Marpet-a FS particularly well to fabrication of items for the visual communications sector including point of purchase display stands, poster glazing and illuminated signage.
The durable and impact-resistant PETg sheet is light in weight and offers outstanding optical clarity and light transmission. Marpet-g FS is an amorphous copolyester that does not crystallise when heated, preventing the sheet to whiten or crack, which makes it ideal for use in fabrication and vacuum forming, as well as both hot and cold bending techniques. Compared to traditional transparent materials, Marpet-g FS continues to maintain its toughness for lower sheet thicknesses, making it a more cost-effective choice. As the sheet does not absorb moisture and does not require pre-drying, processing times are reduced which again will help thermoforming manufacturers to save both time and money.

**MAIN BENEFITS**

- Good impact resistance
- Excellent thermoforming properties
- Reduced process time
- No pre-drying required
- Optical clarity
- Chemical resistance
- Light transmission
- Durability
- Easily machined and fabricated
- Good fire performance
- Recyclable
Marpet-g FS is suitable for many different kinds of processing, it can be formed into complex shapes, and is the ideal product for use in sign, display and store fixture applications such as illuminated advertising and point of sale equipment. Its durability and impact-resistance make it suitable for use in glazing applications such as machine guards, vending machines, office partition screens and shower surrounds.

In addition, Marpet-g FS is resistant to most chemicals and atmospheric pollutants. It has a good fire performance, is 100% recyclable and the resin is FDA approved for food contact.

TYPICAL APPLICATIONS

Print & Display
• Displays
• Signage
• Illuminated advertising signs
• Point of sale equipment
• Graphic arts
• Poster covers
• Kiosks
• Light boxes

Fabrication
• Vending equipment
• Protective screens
• Shower surrounds
• Industrial trays
• Thermoformed parts

Standard US Options (available US stock)

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<th>Colours / tints:</th>
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<tr>
<td>Dimensions:</td>
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Options*

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<td>Dimensions:</td>
<td>48.5&quot; x 96.5&quot;, 49.25&quot; x 98.5&quot; &amp; 80.7&quot; x 120&quot;</td>
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*Subject to request. Minimum order quantities and lead times may apply. Please contact ussales@brettmartin.com for further information.
marpet-aFS

Flat aPET Sheet

MARPET-a FS IS A HIGH QUALITY, EXTRUDED SOLID PET SHEET.

No other plastic sheet offers its unique combination of mechanical, thermal and chemical properties. Combining exceptional quality, excellent transparency, impact strength, chemical resistance and fire performance, Marpet-a FS is ideal for applications which require its high performance and processability.

MAIN BENEFITS

• High optical grade material
• Good scratch and scuff resistance
• Superior chemical resistance against cleaning agents, mineral oils and solvents
• High impact strength and resistance to breakage even at sub-zero temperatures
• Temperature range -4°F to +140°F
• Suitable for cold bending
• Good printability
• Excellent fire performance
• Environmentally friendly
• 100% recyclable
Marpet-a FS is a high optical grade polyester that is ideal for flat and cold bending applications. Its ability to cost effectively machine and cold bend lends Marpet-a FS particularly well to fabrication of items for the visual communications sector including point of purchase display stands, poster glazing and illuminated signage. Marpet-a FS may be thermoformed and hot line bent within a controlled temperature range to avoid crystallisation. Due to its superior strength and resistance to breakage Marpet-a FS is also equally suitable for safety equipment such as machine guards and visors.

Marpet-a FS offers excellent chemical resistance and is resistant to most acids, salts, alcohols, hydrocarbons and solvents, and is especially resistant to cleaning agents and glass cleaners containing alcohol. Marpet-a FS has a good fire performance and is 100% recyclable.
Brett Martin’s plastic sheets product range includes extensive options in foam PVC, polycarbonate, PVC, acrylic, aPET, PETg, SAN and styrene.