

**marpet** 

# Flat PET sheet

**marpet-gfs**

**marpet-afs**



Plastic Sheets



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.

**marpet** 

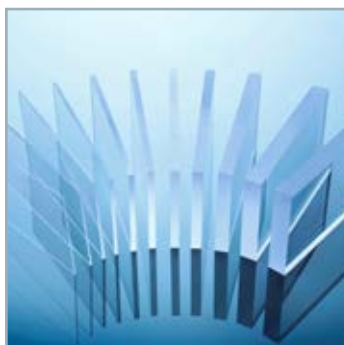


Plastic Sheets



**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:

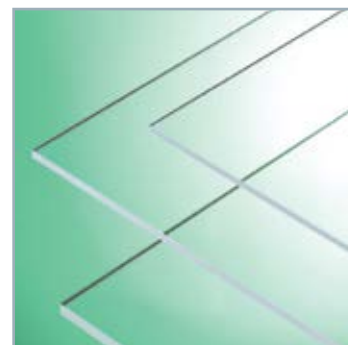


### **marpet-g fs**

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-afs**

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.



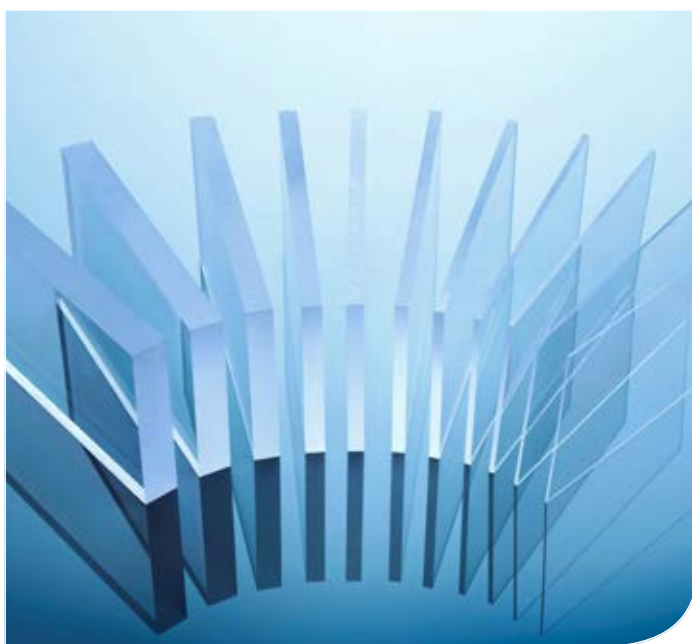


# marpet-g fs

## Flat PETg Sheet

MARPET-g FS IS A CLEAR TRANSPARENT PET FLAT SHEET RANGING FROM 0.5MM - 12MM.

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.



**Marpet-g FS** is suitable for both screen printing and direct-to-substrate digital printing and bonds easily with solvent based adhesives. It also maintains good impact strength during processing, which means that in addition to thermoforming it can be easily laser-cut, sawn, drilled, welded, edged, riveted, die-punched or die-cut using steel blades. Polishing of PETg is possible using mechanical, flame and solvent polishing techniques.

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

## OPTIONS

Colours and tints:	Clear	
Dimensions & Thicknesses:	0.5, 0.75, 1 & 1.5mm	1250mm x 2500mm
	2, 3, 4, 5, 6, 8, 10 & 12mm	1250mm x 2500mm & 2050mm x 3050mm
Options*:	Anti-reflective, Double Sided UV Protection	

\*Subject to request. Minimum order quantities may apply.  
Please contact Brett Martin for further information.

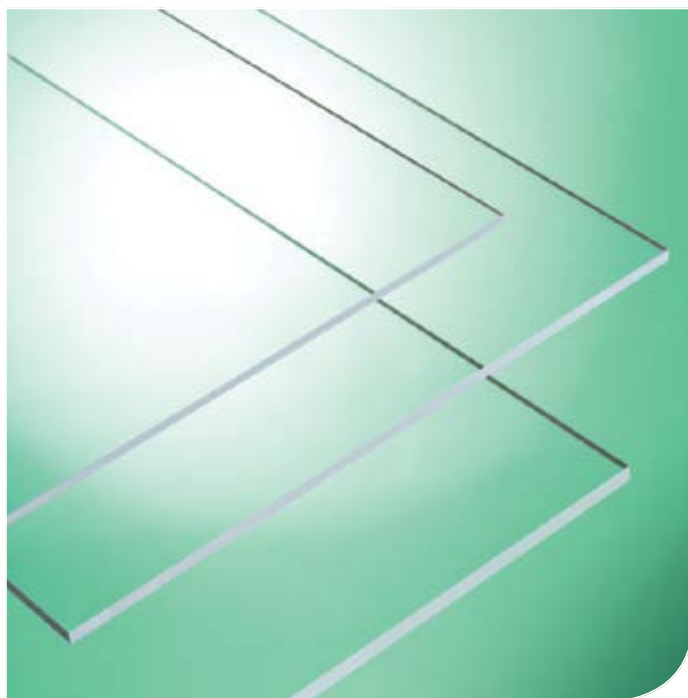


# marpet-afs

## 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 -20°C to +60°C
- 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.



## TYPICAL APPLICATIONS

### Print & Display

- Point of purchase displays
- Shop fittings
- Poster covers
- Printed signs
- Illuminated signs
- Light boxes
- Cold food storage

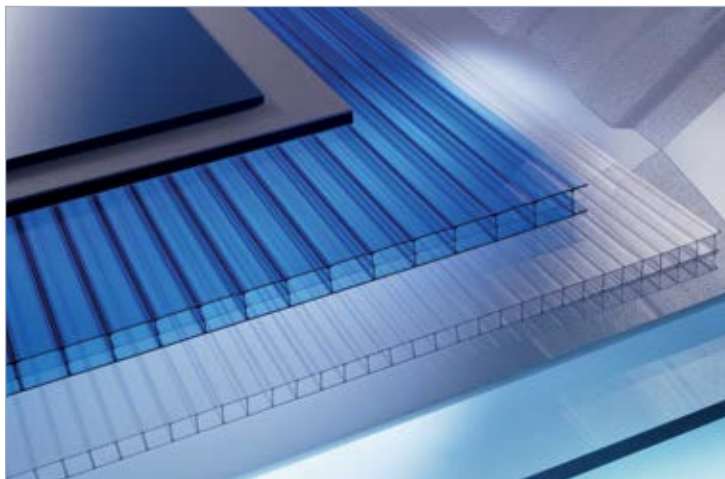
### Safety Equipment

- Machine guards
- Screens
- Visors
- Riot shields

## OPTIONS

Colours and tints:	Clear
Dimensions:	1250mm x 2500mm & 2050mm x 3050mm
Thicknesses:	0.5mm - 4mm
Options*:	Anti-reflective

*\*Subject to request. Minimum order quantities may apply.  
Please contact Brett Martin for further information.*



Brett Martin's plastic sheets product range includes extensive options in foam PVC, polycarbonate, PVC, acrylic, aPET, PETg, SAN and styrene.



Plastic Sheets

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