

Marpet-g FS

Flat Sheet PETg

Marpet-g FS is a clear copolyester PET sheet which can be thermoformed at relatively low temperatures without pre-drying. It can be formed into complex shapes which makes it ideal for use in sign, display and in-store fixtures, as well as illuminated advertising and Point of Sale. Its durability and impact resistance also make it ideal for glazing applications such as vending machines, partitions and shower surrounds.

Product Features

- Excellent thermoforming properties
- Easily machined and fabricated
- No pre-drying required

Colour*	Light Transmission
Clear (S)	88% @3mm

Standard Sheets*	
1250 x 2500	0.5, 0.75, 1, 1.5mm
2050 x 1250	2, 3, 4, 5, 6, 8, 10, 12, 15mm
2050 x 3050	2, 3, 4, 5, 6, 8, 10, 12, 15mm
Sheet Weight	3.81kg/m ² @3mm
U-Value	5.41W/m ² K @3mm
Options	UV Protection Anti-Reflective

*Non-standard colours and sheet sizes are available subject to minimum order quantities.

Applications	
Complex Thermoforming	Glazing
Poster Covers	Point of Sales
Illuminated Signage	Visors

Recycling

Marpet-g FS is 100% recyclable and reusable if separated from other materials at the end of its life cycle. PETg is a widely recycled material - contact your local recycling centre for more information.

Installation

Applications of Marpet-g FS must make adequate allowance for thermal movement, nominally 3.5 mm per metre. Adequate clearance must be allowed in the holes drilled for fixing and sheet lengths have to be limited so that there is not excessive movement at the ends.

3mm sheets can be cold curved down to a minimum radius of 450mm. In practice the sheet length, along the curve, needs to be at least twice the sheet width. If this geometry cannot be accommodated then thermoforming may be an option. It is essential that compatible gaskets or silicon be used in installation.

Service Temperature

Marpet-g FS mechanical performance is known to remain stable in prolonged service in temperatures ranging from -20 to +60°C. Therefore it can be installed in a diversity of applications, with varying temperatures.

Fire Performance

The fire performance of Marpet-g FS has been independently tested. The current test reports can be obtained from the Technical Department.

Storage & Handling

Marpet-g FS is best stored indoors under ambient warehouse conditions up to 20°C, away from direct sunlight, in a cool dry store. In case of outdoor storage, additional all-round cover is necessary. The surface masking film should remain on the sheet until it is ready for use. Avoid standing sheets on end. Pallets should be stacked no more than three high.

Maintenance

Lukewarm water, ordinary non-abrasive household detergent and a sponge or soft cloth is normally sufficient, however for degreasing and cleaning prior to secondary operations ethanol and isopropanol are suitable solvents. The cleaning process should then be repeated after using solvents and the sheet well rinsed.

Additional Information

Separate datasheets are available; please contact the Technical Department for the most current information.