



Flat Sheet PETg

Marpet-gfs (Polyethylene Terephthalate Glycol Comonomer) is an extruded thermoplastic copolyester flat sheet. The sheet is characterised by excellent strength to weight ratio, outstanding optical clarity, good fire performance and its exceptional thermoforming properties particularly at low temperatures. The superior quality of the sheet ensures suitability for a diversity of applications.

Product Range

Colour	Light Transmission DIN 5036
Clear	90% (1mm)

Standard Sheet Sizes	Thickness (mm)
2050 x 3050mm	0.5, 0.75, 1, 1.5, 2, 3, 4, 5, 6, 8, 10, 12*

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

Sheet Weight	2.54kg/m ²	2 mm
	3.81kg/m ²	3 mm
	5.08kg/m ²	4 mm
	6.35kg/m ²	5 mm
	7.62kg/m ²	6mm
U-Value	5.72	W/ m ² K (1mm)

Applications	
Signage & displays	Poster covers
Point of sale equipment	Vending equipment
Thermoforming	Protective screens

Installation



Brett Martin Ltd. pursues a policy of continuous product development and reserves the right to amend specifications without notice.

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REF CODE PET_000_S
16.11.2017

Applications must make adequate allowance for thermal movement, nominally 3.5 mm per metre. Adequate clearance must be allowed in the holes drilled for fixing. Sheet lengths have to be limited so that there is no excessive movement at the ends.

For example, 1.0mm sheets can be cold curved down to a minimum radius of 150mm. For good design practice it is advised that a 1.0mm flat sheet not be curved below 175mm.

Service Temperature

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

Storage & Handling

Marpet-gfs 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.

Fire Performance

Please contact the technical department for the most current test information.

Additional Information

Separate datasheets are available; please contact the technical department for the most current information.