

TECHNICAL DATASHEET

VITROFLEX APET

VITROFLEX APET is a transparent plastic sheet extruded in APET (polyethylene terephthalate) that has excellent rigidity and good chemical resistance. VITROFLEX APET can be crystallized, achieving greater mechanical resistance. VITROFLEX APET is the ideal product for flat and cold applications, and can be used in many sectors such as construction and visual communication.

ADVANTAGES VITROFLEX APET

- ▶ Food use approved.
- ▶ Easy processing.
- ▶ Economical.
- ▶ Crystallizable.
- ▶ Good transparency.
- ▶ Good stiffness.
- ▶ Good chemical resistance.
- ▶ Good impact resistance.
- ▶ Excellent fire behavior.
- ▶ Possible cold bending.
- ▶ Easy maintenance.
- ▶ Ecological.
- ▶ Available in an anti-glare version.
- ▶ Printing surface.

TYPES AND FORMATS

Thickness ranges from: 0.6 mm to 8 mm.

The standard size sheets have the following measures:

- ▶ 2050x1250
- ▶ 2500x1250
- ▶ 3050x2050

As an option there is a VITROFLEX APET AR version, with a matte surface on one side. The matte surface prevents light reflection, maintaining its transparency. The AR option is available up to 2 mm thickness and is used in banner and poster overlays, displays for advertising boards.

APPLICATION AREAS

- ▶ Machine and safety guards.
- ▶ Kiosks.
- ▶ Posters.
- ▶ Printed signage.
- ▶ Product dispensers.
- ▶ Exhibitors.
- ▶ Bus stop.
- ▶ Food and freezer trays.

TECHNICAL SPECIFICATIONS- APET

Properties	Value	Unid	Standard
Physical properties			
Density	1,33	g/cm3	ISO 1183
Mechanical properties			
Tensile strength	53,5	Mpa	ISO 527
Flexural strength	100	%	ISO 527
Traction elasticity module	± 2600	Mpa	ISO 527
Izod unnotched impact strength	no break	KJ/m ²	ISO 180
Izod notched impact strength	3,9	KJ/m ²	ISO 180
Optical properties			
Light transmission	89	%	ASTM D 1003
Fire properties			
Fire test*	Bs1d0		ISO 13501-1

* May be subject to limitations based on color and thickness.

The properties described here are typical values of the material. Polimer Tecnic is not responsible for the materials of a specific consignment to exactly match the given values, being able to carry out tests of that heading. The above information is based on our experience and is given in good faith. Due to some installation and processing factors that are beyond our knowledge and control, no guarantee is given regarding such information.