

Features

- Suitable for print
- Good burning properties
- Impact resistant
- Food-safe
- Crystal clear
- Excellent vacuum forming properties
- Made entirely from virgin material.
- 40% reclaimed content and 100% recyclable.
- PETG is food grade and very impact resistant. Fire properties: Many PETG versions comply with fire class B1 and can therefore be used in many places where high fire requirements are required. Think of trade fairs, indoor shopping centres and airports.
- 100% recyclable

RS PRO Clear Gloss ECO Polyethylene Terephthalate Glycol Sheet

L:500MM x W:500MM X T:3MM

RS Stock No: 0845425



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO Clear Gloss ECO Polyethylene Terephthalate Glycol Sheet

RS PRO Clear Gloss ECO Polyethylene Terephthalate Glycol Sheet is in between Acrylic (PMMA) and Polycarbonate (PC) in terms of technical properties and price. The crystal-clear material has excellent vacuum forming properties and good impact resistance. Polyester can be printed without any problem with all known printing techniques, except for offset printing. PETG combines superior vacuum forming properties with excellent mechanical properties. With PETG it is possible to design and produce very complex transparent displays, shop fittings and high-quality machines.

Key Features:

- *At the end of its life, ECO PETG is 100% recyclable, meaning it can be processed back into new sheets or other plastic products rather than ending up in a landfill*
- *Producing recycled plastic is a lower-energy process than synthesizing new resins from basic chemicals.*

Applications:

- *Food and drink storage*
- *Retail stands and displays*
- *Point of sale*
- *Sign making*
- *Packaging*
- *Glazing*
- *Protective screens*

General Specifications

Material	ECO Polyethylene Terephthalate Glycol
Form	Sheet
Composition	40% reclaimed content and 100% recyclable
Colour	Clear
Length	500MM
Width	500MM
Thickness	3MM

Plastic Sheets

Mechanical Specifications

Impact Strength	ISO 179 kJ/m2 (150x stronger than glass)
Light Transmittance	>84%
Density	1.27g/cm³
Max service temperature	65°C
Tensile Strength	>45 MPa
Estimated CO ₂ per KG	2.55 kg - 4.08 kg

Sustainability Benefits

Emissions Reduction

Generally, using recycled PETG can reduce CO₂ emissions by 35% to 56% compared to virgin material.

Simular Products

RS Code	Form	Dimensions	Thickness
0845426	Sheet	1000MM x 1000MM	1.8MM
0845427	Sheet	500MM x 500MM	1.8MM
0845428	ECO Sheet	1000MM x 1000MM	3MM