PET Sheet

Cebelio
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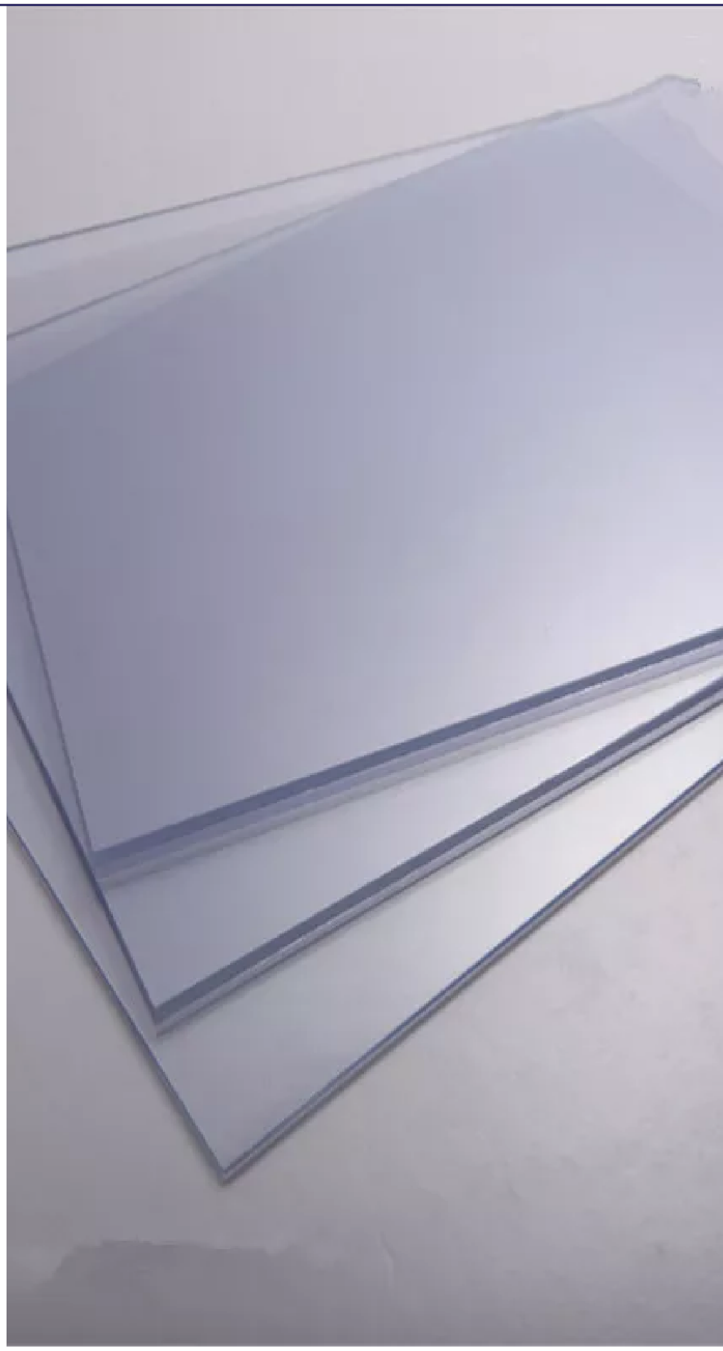
Polyethylene terephthalate

Description

PET is a semi-crystalline engineering thermoplastic polyester that is recyclable, has excellent sliding qualities as well as good wear resistance, low coefficient of friction, high stiffness, and strength.

It is a great material choice for complex pieces requiring outstanding dimensional stability and surface quality because of these characteristics and its low moisture absorption.



Uses

PET is used widely used today as it replaces less environmentally friendly plastics.
Common applications include:

- Processed foods and meat molds
- Packaging
- Plastic Bottles
- General thermoforming
- Can and bottle inverters

Basic info

- ✓ High strength
- ✓ High rigidity and hardness
- ✓ High-temperature resistance
- ✓ Very low moisture absorption
- ✓ Recyclable
- ✓ High dimensional stability

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PET DATA

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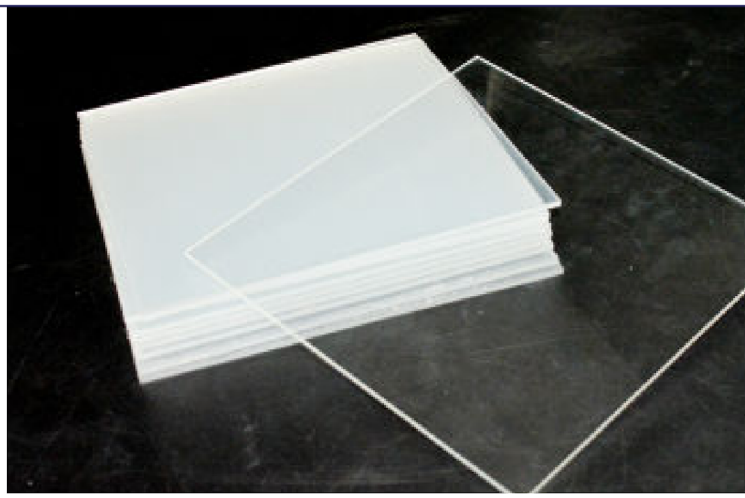
Availability

Colour	Gauge (mm)	Sheet size (mm)
White	1.00	2440 x 1220
Clear	1.50	2440 x 1220
For thin gauge sheets see our PET film data sheet		



Technical Properties

Property	Units	Result for typical sheet
Density	g/cm^3	1.4
Melting Point	°C	≥256
Tensile strength (MD and TD)	Mpa 100+250um	≥140
Elongation at Break (MD and TD)	% 100-300um	≥85
Thermal Shrinkage (MD and TD)	% 23-300um	≥1.5
Volume Resistivity	Ω .m	$>1.0 \times 10^{14}$
Relative Dielectric Constant (50 Hz)	-	2.9-3.4
Dielectric Dissipation Factor (50 Hz)	-	$\geq 3 \times 10^{-3}$
Surface Resistivity	Ω	$\approx 1.0 \times 10^{8}$
Electrolytic Corrosion	Ocular Estimate	A1
Dimensional Stability under high Temperature °C	When Pulling	≥200
	When Pressing	≥200

Contact

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