

PRODUCT DATA SHEET (REV20250529)

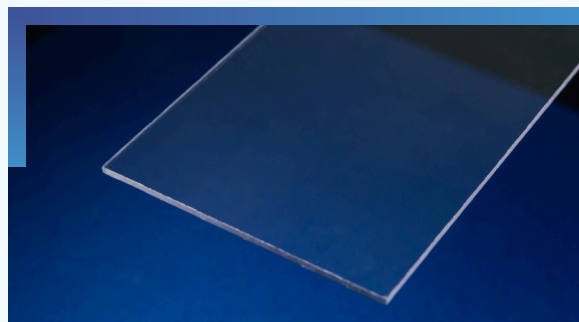
PETG **TRANSPARENT** SHEET

Our PETG Transparent Sheet is a high-impact, clear sheet material that's exceptionally easy to fabricate and thermoform without pre-drying - resulting in faster cycle times and lower production costs. It provides high-definition detail in thermoforming and maintains excellent clarity during both hot and cold bending processes. It is ideal for point-of-sale and point-of-purchase displays.

This product is approved for food contact applications and comes in a range of clear and transparent colour options, including UV-protected variants and a frosted (satin) surface finish.

KEY ADVANTAGES

- Easy to thermoform – no pre-drying required
- Approved for direct food contact
- Excellent clarity and surface finish
- Over twice the impact strength of high-impact PMMA
- Good chemical resistance
- Versatile in both indoor and outdoor applications



TYPICAL APPLICATIONS

- Indoor & outdoor signage
- Shelving and display systems
- Food bins and dividers
- Thermoformed covers and panels
- Vending machine faces
- Medical and industrial equipment protection



AVAILABLE DIMENSIONS

- Sizes: 1250 x 2050 mm, 2050 x 3050 mm
- Thickness range: 1,5 to 10 mm
- Colour: Clear or Transparent and Opal Colours
- Also available in UV Protected and Frosted variants.



The information contained within this datasheet is for guidance only.

The data is not exhaustive. All figures quoted are nominal. Any applications should be checked with SRT Plastics prior to use.

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PROPERTY	VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES			
Density	1,27	g/cm ³	ISO 1183
Refractive index (20°C)	1.57	-	ISO 489
Moisture Absorption (24h, 23°C, 50% RH)	0,2	%	ISO 62
MECHANICAL PROPERTIES			
Tensile Strength (Yield / Break)	>45 / 55	MPa	ISO 527
Elongation (Yield / Break)	4 / 40	%	ISO 527
Elastic Modulus	>2200	N/mm ²	ISO 527
Flexural Modulus	>2300	N/mm ²	ISO 178
Charpy Unnotched Impact (+23°C)	NB	kJ/m ²	ISO 179/1eU
Izod Notched Impact Strength (+23°C)	11,5	kJ/m ²	ISO 180/1A
Izod Notched Impact Strength (-30°C)	4,4	kJ/m ²	ISO 180/A
Rockwell Hardness	R115	-	ISO 2039-2
THERMAL PROPERTIES			
Coefficient of Linear Thermal Expansion (23-70°C)	51x10 ⁻⁶	K ⁻¹	ISO 11359-2
Heat Deflection Temp (HDT A - 1.80 Nmm ²)	68	°C	ISO 75
Heat Deflection Temp (HDT B - 0.45 Nmm ²)	72	°C	ISO 75
Thermal Conductivity	0.19	W/m.K	ISO 8302
ELECTRICAL PROPERTIES			
Volume Resistivity, Dry	10 ¹⁴	Ω.cm	IEC 62631
Surface Resistivity, Dry	10 ¹⁵	Ω	IEC 62631
Dialectic Strength, Dry	30	kV/mm	IEC 60243
Dialectic Constant, Dry 1MHz	2,4		IEC 62631
Dissipation Factor (Tan), Dry 1MHz	0,02		IEC 62631

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