

PRODUCT DATA SHEET (REV20250529)

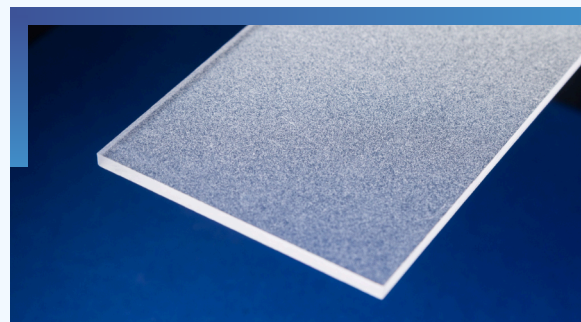
PETG **TRANSPARENT FROSTED** SHEET

Our PETG Transparent Frosted Sheet is a high-impact transparent sheet featuring a satin-frosted finish on both sides. This surface offers a premium aesthetic for display and design applications. It is easy to fabricate and thermoform without the need for pre-drying, resulting in faster cycle times and reduced production costs. The material delivers high-definition results in thermoforming while preserving its frosted appearance after forming.

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.

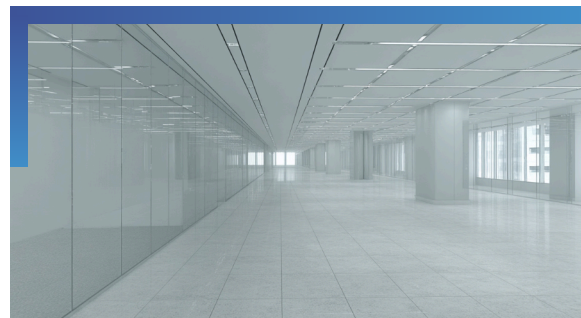
KEY ADVANTAGES

- Unique frosted (satin) look on both sides
- Retains frosty surface after thermoforming
- Easy to thermoform and fabricate
- No pre-drying required (cost and time saving)
- Excellent colour options available
- Over twice the impact strength of high-impact PMMA



TYPICAL APPLICATIONS

- Interior design and decorative elements
- Display stands and presentation systems
- Indoor illuminated signage
- Showcases and exhibition setups
- Exclusive design accessories



AVAILABLE DIMENSIONS

- Sizes: 1250 x 2050 mm, 2050 x 3050 mm
- Thickness range: 1,5 to 6 mm
- Also available in a frosted coloured range.



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.

PRODUCT DATA SHEET (REV20250529)

PETG **TRANSPARENT FROSTED** SHEET

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

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.