

PRODUCT DATA SHEET (REV20250529)

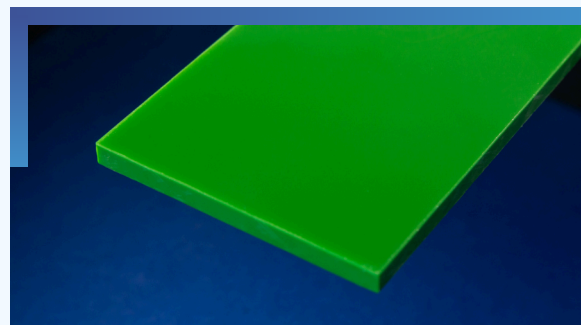
### PETG **OPAQUE** SHEET

PETG Opaque Sheet is a coloured copolyester sheet offering excellent thermoforming and fabrication characteristics, along with high impact strength. This opaque PETG material is ideal for technical parts and interior or exterior applications where a robust, coloured sheet is required.

It features good fire behavior with low smoke emission and is optionally available with UV protection, recycled content (in black), frosted surface, and food compliance.

### KEY ADVANTAGES

- Easy thermoforming – no pre-drying needed
- Excellent detail reproduction in complex shapes
- Fast cycle times during forming
- Strong fire resistance and low smoke generation
- Good chemical resistance
- Recycled, UV, frosted, and food-safe versions available



### TYPICAL APPLICATIONS

- Indoor and outdoor components
- Shelving and racking systems
- Food bins and display dividers
- Thermoformed machine covers and housings
- Technical industrial parts and protective panels



### AVAILABLE DIMENSIONS

- Sizes: 1250 x 2050 mm
- Thickness range: 1,5 to 8 mm
- Standard opaque colours and custom colours on request
- Also available in UV Resistant, (Black) Recycled, Frosted and Food Compliant Versions



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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**PETG OPAQUE SHEET**

PROPERTY	VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES			
Density	1,27	g/cm <sup>3</sup>	ISO 1183
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 <sup>2</sup>	ISO 527
Flexural Modulus	>2300	N/mm <sup>2</sup>	ISO 178
Charpy Unnotched Impact (+23°C)	NB	kJ/m <sup>2</sup>	ISO 179/1eU
Izod Notched Impact Strength (+23°C)	11,5	kJ/m <sup>2</sup>	ISO 180/1A
Izod Notched Impact Strength (-30°C)	4,4	kJ/m <sup>2</sup>	ISO 180/A
Rockwell Hardness	R115	-	ISO 2039-2
THERMAL PROPERTIES			
Coefficient of Linear Thermal Expansion (23-70°C)	51x10 <sup>-6</sup>	K <sup>-1</sup>	ISO 11359-2
Heat Deflection Temp (HDT A - 1.80 Nmm <sup>2</sup> )	68	°C	ISO 75
Heat Deflection Temp (HDT B - 0.45 Nmm <sup>2</sup> )	72	°C	ISO 75
Thermal Conductivity	0.19	W/m.K	ISO 8302
ELECTRICAL PROPERTIES			
Volume Resistivity, Dry	10 <sup>14</sup>	Ω.cm	IEC 62631
Surface Resistivity, Dry	10 <sup>15</sup>	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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