

PRODUCT DATA SHEET (REV20250527)

PC / POLYCARBONATE **OPAQUE COLOURED** SHEET

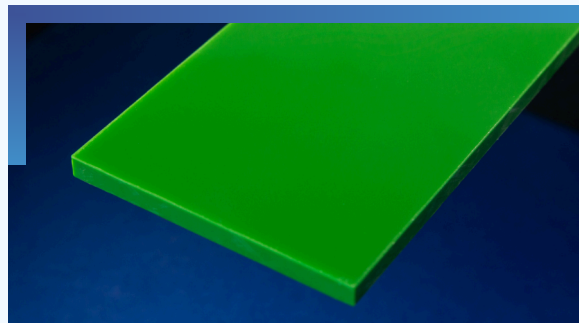
Impact-Resistant Opaque Polycarbonate for Automotive, Agricultural, and Industrial Applications.

SRT Plastics Opaque Coloured Polycarbonate is a high performance opaque polycarbonate sheet designed for indoor and shaped components in demanding sectors. With exceptional impact strength, thermal stability, and a wide range of standard and metallic colours, this material meets aesthetic and functional requirements across industries.

Additionally, its compatibility with recycling workflows offers a sustainable advantage through smart off-cut reuse.

KEY ADVANTAGES

- Wide range of solid and metallic opaque colours, including custom options
- Extremely high impact resistance and thermal performance
- Ideal for flat, curved, or thermoformed parts
- Compatibility with recycling workflows
- Available with smooth or embossed finishes
- Suitable for identification striping in packaging-related applications



TYPICAL APPLICATIONS

- Interior and exterior automotive components
- Agricultural machine covers and containers
- Flat or cold-curved panels for technical equipment
- Durable housings and protective casings
- Packaging applications requiring embossed or colour-coded parts
- General-purpose industrial parts requiring resilience and dimensional stability



AVAILABLE DIMENSIONS

- Standard Sheet Sizes: 1250 x 2050 mm
- Thickness range: 1,5 - 8 mm
- Max Width: Smooth (00/00) - 2050 mm / Embossed - 1700 mm
- Embossing: 00/00, 00/35, 00/40
- Colours: Standard colours as well as customer specific colours on request



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 (REV20250527)

PC / POLYCARBONATE OPAQUE COLOURED SHEET

PROPERTY	VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES			
Density	1,2	g/cm ³	ISO 1183
MECHANICAL PROPERTIES			
Tensile Strength (Yield / Break)	60 / 50	N/mm ²	ISO 527-2
Elongation (Yield / Break)	6 / >50	%	ISO 527-2
Elastic Modulus	>2200	N/mm ²	ISO 527-2
Flexural Modulus	>2300	N/mm ²	ISO 178
Izod Notched Impact (+23°C / -23°C / -30°C)	65 / 13 / 11	kJ/m ²	ISO 180/A
Charpy Notched Impact (+23°C / -23°C / -30°C)	62 / 12 / 11	kJ/m ²	ISO 179-1/1eA
Rockwell Hardness*	M70	R-scale	ISO 2039-2
THERMAL PROPERTIES			
Co-efficient of Linear Thermal Expansion (20°C - 70°C)	70x10 ⁻⁶	K ⁻¹	ISO 11359-2
Vicat Temperature VST/B120 (0,45N/mm ²)	149	°C	ISO 306
Heat Deflection Temperature HDT A (1,80N/mm ²)	135	°C	ISO 75-2
FIRE PROPERTIES			
Flammability 1,6 mm*	HB	Class	UL 94
*Value based on information supplied by resin supplier			

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.