

PRODUCT DATA SHEET (REV20250527)

PC / POLYCARBONATE **OPAQUE FOOD APPROVED** SHEET

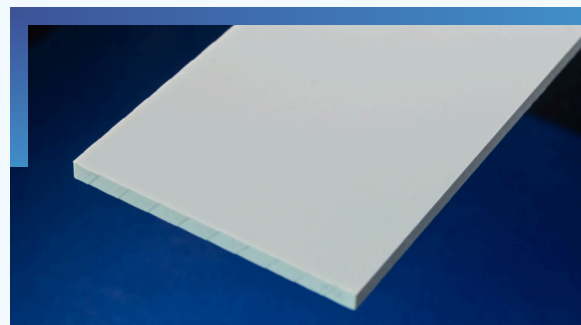
Food-Contact Compliant Polycarbonate for High-Impact, Hygienic Applications.

SRT Plastics Polycarbonate Opaque Food Approved is a robust, food-contact-compliant sheet designed for environments where safety, hygiene, and mechanical performance are paramount. Engineered to meet FDA and EU food-grade standards, this opaque polycarbonate solution is ideal for food processing, handling, and packaging applications requiring durability, temperature resistance, and easy fabrication.

It is available in a wide range of colours and surface finishes.

KEY ADVANTAGES

- Fully compliant with food contact regulations (EU & FDA)
- Extremely high impact resistance—virtually unbreakable
- Wide operating temperature range with excellent thermal stability
- Suitable for hygienic environments due to easy-to-clean surface
- Available in standard and custom colours with optional embossing
- Consistent mechanical performance in cold and warm conditions



TYPICAL APPLICATIONS

- Food processing and packaging equipment panels
- Protective guards and machine covers in food zones
- Interior lining and cladding for food-safe environments
- Food handling trays, dispensers, and barriers
- Splash guards and preparation area partitions
- Durable, hygienic enclosures in catering and industrial kitchens



AVAILABLE DIMENSIONS

- Standard Sheet Sizes: 1250 x 2050 mm
- Max Width: Smooth (00/00) - 2050 mm / Embossed - 1700 mm
- Embossing: 00/00, 00/35, 00/40
- Coating on either one or both sides
- 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.

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PROPERTY	VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES			
Density	1,2	g/cm ³	ISO 1183
MECHANICAL PROPERTIES			
Tensile Strength (Yield / Break)	63 / 70	N/mm ²	ISO 527-2
Elongation (Yield / Break)	6 / 110	%	ISO 527-2
Elastic Modulus	>2300	N/mm ²	ISO 527-2
Flexural Modulus	>2300	N/mm ²	ISO 178
Impact Strength (charpy unnotched, -40°C)	NB	kJ/m ²	ISO 179
Impact Strength (charpy notched, -30°C)	11	kJ/m ²	ISO 179
Izod Notched Impact (+23°C / -30°C)	60 / 10	kJ/m ²	ISO 180
Izod Unnotched Impact (+23°C / -30°C)	NB / 10	kJ/m ²	ISO 180/U
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 2039-2
Vicat Temperature VST/B120 (0,45N/mm ²)	145	°C	ISO 306
Heat Deflection Temperature	127	°C	ISO 75-2
FIRE PROPERTIES			
Flammability 1,14 mm*	HB	Class	UL 94
USA (FDA)	Complies		
*Value based on information supplied by resin supplier			

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