

PRODUCT DATA SHEET (REV20260701)

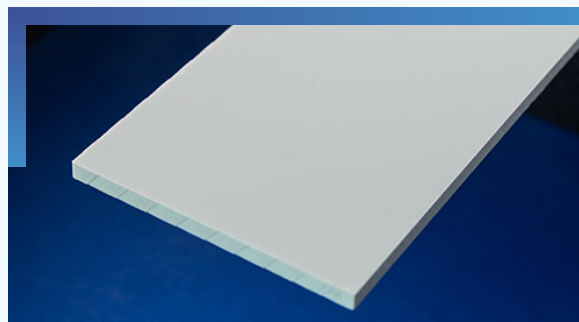
ABS 3100 - OPAQUE SOLID SHEET

SRT Plastics ABS 3100 is a robust, high-performance ABS sheet featuring a supermatt finish that remains consistent even after thermoforming. Built for demanding technical and visual applications, ABS 3100 delivers high impact resistance, excellent thermal stability, and design versatility. It's ideal for interior and exterior parts where glare reduction, durability, and process efficiency are critical. Alternative grades & options include:

- ABS 3103: Enhanced with UV stabilizers for superior weather resistance.
- ABS 3110: Features a double-sided matt surface finish.
- Custom Dual-Colouring: Configurable to meet specific design and application requirements.

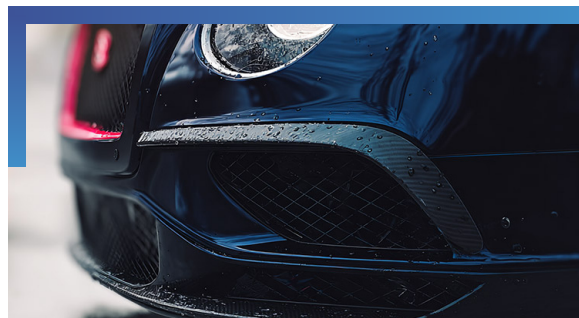
KEY ADVANTAGES

- Ultra-matt surface that stays matte after thermoforming
- High impact resistance even at sub-zero temperatures
- Excellent thermal stability with HDT up to 86 °C
- Ideal for anti-glare applications in interiors and enclosures
- Available in multiple embossing textures and dual-colour options
- Supports sustainable production through the TRC recycling program



TYPICAL APPLICATIONS

- Interior panels and dashboards
- Machine and equipment housings
- Storage covers and transport trays
- Display units and glare-free enclosures
- Technical casings and protective panels
- Any application requiring a durable, ultra-matt finish



AVAILABLE DIMENSIONS

- Standard Sheet Sizes: 1250 x 2050 mm
- Max Width: 2200 mm
- Thickness Range: 1.5 mm to 9 mm
- Colours: Standard colours and customer specified
- Embossing: 00/00, 00/35, 00/40, 00/50, 00/57 and other grades on application



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 (REV20260701)

ABS 3100 - OPAQUE SOLID SHEET

PROPERTY	VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES			
Density	1.05	g/cm ³	ISO 1183
MECHANICAL PROPERTIES			
Tensile Strength (Yield / Break)	31 / 25	N/mm ²	ISO 527-2
Elongation (Yield / Break)	>2 / >40	%	ISO 527-2
Elastic Modulus	1600	N/mm ²	ISO 527-2
Flexural Modulus *	2000	N/mm ²	ISO 178
Flexural Strength *	55	N/mm ²	ISO 178
Impact Strength (Izod notched, +23°C)	27	kJ/m ²	ISO 180/A
Impact Strength (Izod notched, -23°C)	13	kJ/m ²	ISO 180/A
Impact Strength (Izod notched, -30°C)	12	kJ/m ²	ISO 180/A
Impact Strength (Charpy notched, +23°C)	26	kJ/m ²	ISO 179-1/1eA
Impact Strength (Charpy notched, -23°C)	13	kJ/m ²	ISO 179-1/1eA
Impact Strength (Charpy notched, -30°C)	11	kJ/m ²	ISO 179-1/1eA
Impact Strength (Charpy notched, -40°C)	10	kJ/m ²	ISO 179-1/1eA
Ball Indentation Hardness *	77	N/mm ²	ISO 2039
THERMAL PROPERTIES			
Coefficient of Linear Thermal Expansion (20-70°C)	65 x 10 ⁻⁶	K ⁻¹	ISO 11359-2
Vicat Temp VST/B120 (0.45 N/mm ²)	96	°C	ISO 306
Heat Deflection Temp HDT A (1.80 N/mm ²)	86	°C	ISO 75-2
Mould Shrinkage *	0.6 - 0.7	%	ISO 294-4
* Value based on information provided 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.