

PRODUCT DATA SHEET (REV20250729)

ABS 3000 - OPAQUE SOLID SHEET

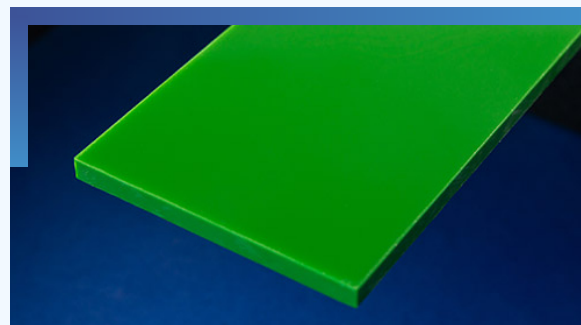
SRT Plastics ABS 3000 is a versatile, high-impact ABS sheet featuring a semi-gloss surface and excellent thermal and mechanical properties.

Designed for fast, consistent thermoforming, ABS 3000 delivers performance and efficiency for general-purpose, machine housing, and indoor industrial applications.

It's available in standard and custom colours, with a range of textured finishes.

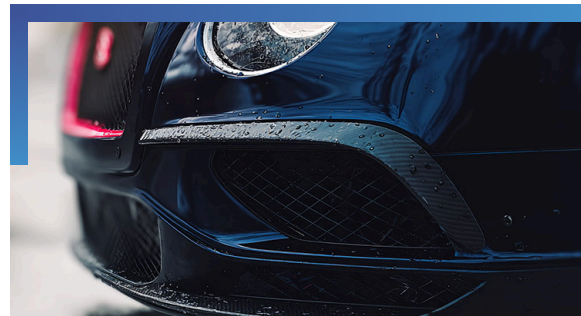
KEY ADVANTAGES

- Semi-gloss surface for a clean, versatile appearance
- High impact strength for protective and technical parts
- Thermoforms quickly and efficiently for fast production
- Good thermal and mechanical performance across applications
- Available in food-safe (FA) and UV-stabilised (3003) variants
- Supports circular manufacturing via the TRC recycling program



TYPICAL APPLICATIONS

- Machine and equipment covers
- Protective panels and housings
- Storage trays and transport containers
- Cleanroom partitions and interior components
- General-purpose technical sheets
- Food-safe applications (FA version)



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 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.

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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)	65x10 ⁻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.			

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