

PRODUCT DATA SHEET (REV20250729)

### ABS 2000R - OPAQUE SOLID SHEET

SRT Plastics ABS 2000R is a solid, semi-gloss ABS sheet made from high-quality recycled ABS material.

Designed for fast and effective thermoforming, it delivers excellent impact strength, reliable thermal properties, and strong mechanical performance.

With its cost-effective and sustainable composition, ABS 2000R is ideal for robust industrial components and transport trays where durability, processability, and environmental responsibility are priorities.

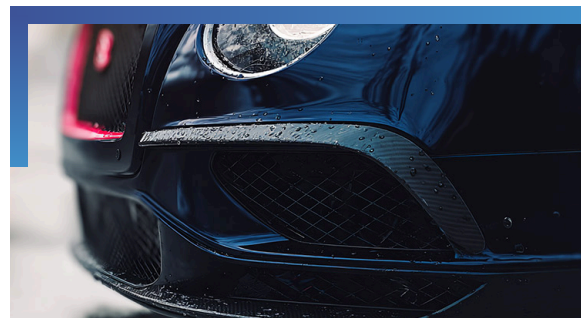
### KEY ADVANTAGES

- Made from recycled ABS for sustainable, cost-effective production
- Semi-gloss surface with fast and consistent thermoforming
- High impact strength, even at low temperatures
- Good thermal properties for industrial use
- Available in multiple embossing textures for functional surfaces
- Supports circular manufacturing via TRC recycling concept



### TYPICAL APPLICATIONS

- Transport trays and container inserts
- Industrial panels and protective covers
- Technical components for logistics systems
- Heavy-duty machine lining
- Storage and handling trays
- Durable cases and interior linings



### AVAILABLE DIMENSIONS

- Standard Sheet Sizes: 1250 x 2050 mm
- Max Width: 2200 mm
- Thickness Range: 1.5 mm to 9 mm
- Colours: Black
- 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	1.06	g/cm <sup>3</sup>	ISO 1183
MECHANICAL PROPERTIES			
Tensile Strength (Yield / Break)	≥30 / 25	N/mm <sup>2</sup>	ISO 527-2
Elongation (Yield / Break)	>2 / >40	%	ISO 527-2
Elastic Modulus	1600	N/mm <sup>2</sup>	ISO 527-2
Flexural Modulus	2000	N/mm <sup>2</sup>	ISO 178
Flexural Strength	55	N/mm <sup>2</sup>	ISO 178
Impact Strength (Izod notched, +23°C)	25	kJ/m <sup>2</sup>	ISO 180/A
Impact Strength (Izod notched, -23°C)	13	kJ/m <sup>2</sup>	ISO 180/A
Impact Strength (Izod notched, -30°C)	12	kJ/m <sup>2</sup>	ISO 180/A
THERMAL PROPERTIES			
Coefficient of Linear Thermal Expansion (20-70°C)	65x10 <sup>-6</sup>	K <sup>-1</sup>	ISO 11359-2
Vicat Temp VST/B120	96	°C	ISO 306
Heat Deflection Temp HDT A (1.80 N/mm <sup>2</sup> )	86	°C	ISO 75-2
Mould Shrinkage *	0.6 - 0.7	%	ISO 294-4

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