

PRODUCT DATA SHEET (REV20250729)

### ABS 3200 - OPAQUE SOLID SHEET

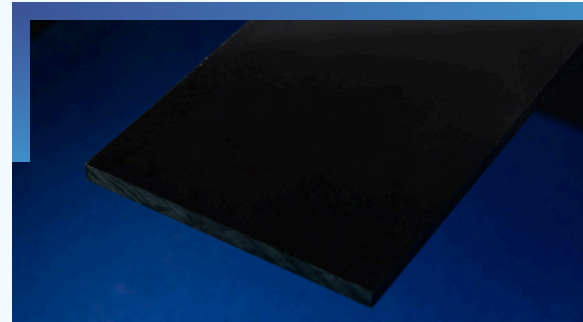
SRT Plastics ABS 3200 is a premium ABS sheet with a super high-gloss acrylic (PMMA) top layer.

Engineered for applications requiring both strength and visual appeal. This opaque, rigid sheet offers excellent impact resistance, good thermal performance, and is easy to cut, mill, bond, and thermoform.

Designed for demanding use cases, particularly in the automotive and industrial sectors. ABS 3200 delivers durability, formability, and a polished finish in one material.

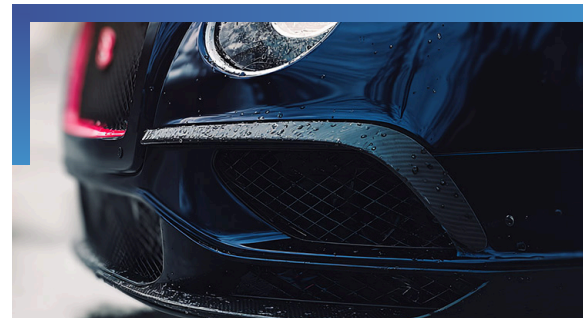
### KEY ADVANTAGES

- High light diffusion with excellent hiding power for LED points
- Uniform lighting effect with minimal hot spots
- Over 10× stronger than high-impact acrylic
- Lightweight and easy to fabricate, cold-bend, or thermoform
- Fire-rated according to EN 13501-1 for construction safety
- Available in standard and custom LED-specific tints



### TYPICAL APPLICATIONS

- High-gloss PMMA surface for a sleek, polished appearance
- Exceptional impact resistance for demanding environments
- Thermoforms easily without compromising surface quality
- Available in custom colours and multiple surface textures
- Compatible with deep forming and precise machining
- Optional UV-stabilised variants for extended durability



### AVAILABLE DIMENSIONS

- Standard Sheet Sizes: 1250 x 2050 mm
- Thickness Range: 2 mm to 8 mm
- Colours: Standard and custom colours available
- Embossing: 00/00 and other grades on application



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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	1.07	g/cm <sup>3</sup>	ISO 1183
MECHANICAL PROPERTIES			
Tensile Strength (Yield / Break)	33 /25	N/mm <sup>2</sup>	ISO 527-2
Elongation (Yield / Break)	>2 / >40	%	ISO 527-2
Elastic Modulus	1800	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)	23	kJ/m <sup>2</sup>	ISO 180/A
Impact Strength (Izod notched, -23°C)	12	kJ/m <sup>2</sup>	ISO 180/A
Impact Strength (Izod notched, -30°C)	10	kJ/m <sup>2</sup>	ISO 180/A
Impact Strength (Charpy notched, +23°C)	22	kJ/m <sup>2</sup>	ISO 179-1/1eA
Impact Strength (Charpy notched, -23°C)	11	kJ/m <sup>2</sup>	ISO 179-1/1eA
Impact Strength (Charpy notched, -30°C)	8	kJ/m <sup>2</sup>	ISO 179-1/1eA
Ball Indentation Hardness *	77	N/mm <sup>2</sup>	ISO 2039
THERMAL PROPERTIES			
Vicat Temp VST/B120 (0.45 N/mm <sup>2</sup> )	97	°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
* Value based on information provided by resin supplier.			

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