

DATASHEET

ABS SHEET (SMOOTH)

Acrylonitrile Butadiene Styrene (ABS) is a high impact, strong and durable material that also offers chemical resistance. Available from us in a wide range of colours, grades and finishes, ABS is used in a variety of applications including automotive, enclosures and point of sale, cases and trays. Due to its hygroscopic nature, ABS may need drying before use.

Applications

- Automotive Interior & Exterior
- Aircraft Interior Trims
- Home Appliances
- Architectural Model Buildings & Prototypes
- Luggage
- Machine Parts & Rollers
- Pipes & Fittings
- Trays

Availability

- Colour – Black & White
- Size – 2500x1250mm sheets
- Regularly produced in 1mm to 6mm thickness

Typical Properties

General Properties	Method	Unit	Test Result
Density (SG)		g/cm ³	1.06 – 1.08
Vicat Softening Temperature	ISO 306	°C	99
Heat Deflection Temperature	ISO 75	°C	100
Tensile Strength	ISO 527	MPa	40
Elongation at Break		%	15
Flexural Strength	ISO 178	MPa	30
Izod Impact Strength – Notched	ISO 180	KJ/m ²	15
Moulding Shrinkage		%	85
Forming Temperature		°C	0.6 – 0.7
Fire Rating	UL94		HB