

# DATASHEET

## ABS SHEET (FIRE RETARDANT)

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
- Size – 2500x1250mm sheets
- Regularly produced in 2mm to 6mm thickness

### Typical Properties

General Properties	Method	Unit	Test Result
Density (SG)		g/cm <sup>3</sup>	1.2
Vicat Softening Temperature	ISO 306	°C	85
Heat Deflection Temperature	ISO 75	°C	83
Tensile Strength	ISO 527	MPa	35
Flexural Strength	ISO 178	MPa	60
Izod Impact Strength – Notched	ISO 180	KJ/m <sup>2</sup>	18
Moulding Shrinkage		%	0.6 – 0.8
Forming Temperature		°C	150 – 185
Fire Rating	UL94	>1.6mm	VO