

DATASHEET

ABS SHEET (ECONOMY)

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, 2400x1400mm sheets
- Regularly produced in 1.5mm to 6mm thickness

Typical Properties

| General Properties | Method | Unit | Test Result |
|--------------------------------|---------|-------------------|-------------|
| Density (SG) | | g/cm ³ | 1.08 |
| Vicat Softening Temperature | ISO 306 | °C | 90 |
| Heat Deflection Temperature | ISO 75 | °C | 86 |
| Tensile Strength | ISO 527 | MPa | 33 |
| Flexural Strength | ISO 178 | MPa | 45 |
| Izod Impact Strength – Notched | ISO 180 | KJ/m ² | 13 |
| Moulding Shrinkage | | % | 0.6 – 0.8 |
| Forming Temperature | | °C | 150 – 185 |
| Fire Rating | UL94 | | HB |