

DATASHEET

HIGH IMPACT POLYSTYRENE (HIPS)

High Impact Polystyrene (HIPS) is a versatile, high quality material that offers excellent value for money. Available from us in a wide range of sizes, colours and finishes, HIPS is used in many applications.

Applications

- Signage
- Point of Sale Displays
- Model Making
- Tray Forming
- Packaging
- Printing

Availability

- Colour – Range of Colours Available
- Size – Range of Sizes Available
- Regularly produced in 0.25mm to 6mm thickness

Typical Properties

General Properties	Method	Unit	Test Result
Density (SG)		g/cm ³	1.06
Vicat Softening Temperature	ISO 306	°C	90
Heat Deflection Temperature	ISO 75	°C	80
Tensile Strength	ISO 527	MPa	25
Flexural Strength	ISO 178	MPa	42
Charpy Impact Strength – Notched	ISO 179	KJ/m ²	7
Moulding Shrinkage		%	0.4 – 0.7
Forming Temperature		°C	120 – 180
Fire Rating	UL94		HB