



## HIGH IMPACT POLYSTYRENE (HIPS)

**High Impact Polystyrene (HIPS)** sheet is obtained by blending standard styrene with impact-improving additives. Due to the combination of versatility, easy processing and good value polystyrene is one of the largest volume thermoforming plastics. The surface allows for good ink adhesion with the end product rich in looking, durable and functional. It is available in white and black sheet and is most often used in applications of temporary or disposable nature.

### KEY FEATURES

- Excellent thermoforming capabilities
- Good impact resistance
- Food-safe surface
- Easy to cut, route, print & bond
- High degree of hardness
- Moisture resistant

### PRODUCT APPLICATIONS

- POS displays
- Promotional items
- Packaging & appliance containers
- Tags & labels
- Interior signage

### COLOURS



Coloured swatch may not represent physical product.

### PROPERTIES

GENERAL	RESULTS
Weight (3mm)	3.18kg/m <sup>2</sup>
Density (ISO 1183)	1.03-1.06g/cm <sup>3</sup>
Water Absorption (ISO 62)	0.03-0.1%
Cleaning: Warm soapy water & soft cloth	
MECHANICAL	
Tensile Strength (ISO527)	16-22Mpa
Flexural Strength (ISO178)	25-35Mpa
THERMAL	
Continuous Service Temperature	0-70°C
Heat Deflection Temp (ISO 75)	70-85°C
Thermal Conductivity (W/m·K) (ASTM C177)	0.13-0.15

### PRODUCT RANGE

COLOUR	GAUGE	SIZE
White Satin	0.5mm	2440x1220mm
White Gloss	0.75mm	1370x760mm
White Gloss Black Gloss	1mm 2mm	2440x1220mm
	1.5mm 3mm	1370x760mm 2440x1220mm

