



SAFFRON PLASTICS LTD

HIGH IMPACT POLYSTYRENE (HIPS) DATA SHEET

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 Notched Impact Strength	ISO 179	KJ/m ²	7
Mould Shrinkage		%	0.4-0.7
Forming Temperature		°C	120-180
Flammability Rating	UL94		HB

NOTES

Properties are typical of Matt/Matt HIPS, the addition of a gloss layer can impair properties such as Impact Strength

Information contained within is based on our present state of knowledge and is to characterise the product with regard to any potential requirements. It does not therefore constitute a guarantee of the specific properties.

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