



SAFFRON PLASTICS LTD

ABS – SMOOTH DATA SHEET

GENERAL PROPERTIES	Method	Unit	Test Result
Density (SG)		g/cm ³	1.06-1.08
Vicat Softening Temperature	ISO 306	°C	99
Heat Deflection Temperature	ISO 306	°C	100
Tensile Strength	ISO 527	Mpa	40
Elongation at Break		%	15
Izod Impact Strength (23°C)	ISO 180	KJ/m ²	30
Izod Impact Strength (-30°C)	ISO 180	KJ/m ²	15
Hardness (Ball Indentation)	ISO 2039	Mpa	85
Moulding Shrinkage		%	0.6-0.7
Fire Rating	UL94		HB

NOTES

Although moisture does not affect the mechanical properties, ABS is hygroscopic and requires drying before use to avoid surface blemishes when thermoformed.

Storage of unformed sheet in contact with moisture may lead to a moisture content that is not reduced to acceptable levels by normal drying methods.

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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