

TECHNICAL DATA SHEET

HIPS (High Impact Styrene)

Material code: HIPS

Lightweight, low-cost and easy to thermoform and print, but low heat and UV resistance. Popular for signage, POS and model making.

COMPARATIVE PROPERTIES

Impact resistance		6/10
Chemical resistance		4/10
UV / weather resistance		2/10
Heat resistance		4/10
Machinability		7/10
Optical clarity		1/10

KEY FACTS

Max service temp	70 °C
Density	1.05 g/cm³
Weight class	Light
Cost tier	Budget
Food-safe grade available	Yes
Weldable	No

TYPICAL APPLICATIONS

- Signage
- POS displays
- Thermoforming
- Model making

This is a Technical Data Sheet, not a Safety Data Sheet (SDS). Property ratings are indicative comparative values for material selection only and are not guaranteed engineering figures — confirm critical properties against the manufacturer's data before design. For handling, storage and hazard information, refer to the manufacturer's SDS. Grades, colours and thicknesses vary; contact us to confirm suitability for your application.