



## HIPS

### Description

High Impact Polystyrene (HIPS) is a modified form of standard polystyrene that incorporates rubber, making it tougher and more resistant to shocks and impacts compared to its brittle counterpart. This durable, lightweight, and low-cost thermoplastic is easily thermoformed, printed, and fabricated, making it ideal for applications like food packaging, POP displays, signage, and various household and automotive components.

### Application

- **Home Appliance Parts:** Refrigerator liners, internal components, housings.
- **Plastic Containers:** Opaque food containers, yogurt cups, dairy packaging.
- **Plastic Disposable Dishes:** Vending cups, lids, and opaque cutlery.
- **Plastic Toys:** Toy models, housings for electronic toys, and general toy parts.

GRADE	P-152	P-511	P-240	P-25	P-1
MFR	4	8	4.5	4.4	3
VICAT SOFTENING POINT	89	91	94	92	84
TENSILE STRENGTH AT BREAK	19	19	20	20	21
ELONGATION AT BREAK	64	60	55	56	54