

# PrintMax™ High Impact Polystyrene

## Product Description

PrintMax™ High impact polystyrene (HIPS) is one of the most versatile thermoplastic materials. Widely used in a variety of applications, HIPS can be formed, die-cut, fabricated and printed. Specially formulated and rubber modified, HIPS provides a superior surface texture and excellent ink adhesion characteristics needed for a variety of print methods. With the ability to easily adjust opacities, dyne levels and hues, it is commonly used in digital, screen and offset printing applications.

## Technical Properties

Property	Test Method	Value
Specific Gravity	ASTM D-792	1.03*
Rockwell Hardness (M Scale)	ASTM D-785	63
Tensile Strength yield	ASTM D-638	3,300 psi
Flexural Strength	ASTM D-790	5,300 psi
Flexural modulus	ASTM D-790	225,000 psi
Izod Impact (Notched) 72°F	ASTM D-256	2.1 ft-lbs/in
Falling Dart Impact 72°F	ASTM D-3029	110 ft-lbs
Heat Deflection Temperature @264 psi	ASTM D-648	185°F
Vicat Softening Point	ASTM D-1525	212°F
Gardner Gloss	ASTM D-523	15% -60°

- \* Opacity dependent
- All values based on 0.125" unless otherwise stated

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail [info@spartech.com](mailto:info@spartech.com) or visit our website at [www.spartech.com](http://www.spartech.com)

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