

High Impact Polystyrene

Print Grade

Product Description

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 or visit our website at www.spartech.com

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