



High Impact Polystyrene

DESCRIPTION:

An economical rigid substrate available in sheets and rolls up to widths of 65". It is available in natural, white opaque, and white translucent. Custom colors available with special quote. Options available for High Impact Polystyrene include: super white opaque, Dead white opaque, corona treatment, UVI inhibitors, and FDA approved resins.

CHARACTERISTICS:

- Superior ink receptivity using flexo, offset and screen processes.
- Excellent for display and P.O.P. applications.
- Can be guillotine cut, die cut, and punched.
- Excellent dimensional stability.
- Environmentally friendly.

TECHNICAL DATA:

PROPERTIES	TYPICAL VALUES	TEST METHOD
THICKNESS ± 5% or .001 maximum (whichever is greater)	.010" to .125"	T 411
YIELD	2.75 MSI/lb @ .010"	T 410
SPECIFIC GRAVITY	1.03 g/cm ³	D 1505
TENSILE STRENGTH	MD 2700 psi	D 882
	TD 3500 psi	
ELONGATION	MD 30%	
	TD 50%	
TEAR RESISTANCE @ .010"	INITIATED	
	MD .15 lbs	D 1938
	TD .39 lbs	
	UNINITIATED	
MD 2.3 lbs	D 1004	
TD 3.1 lbs		
STIFFNESS @ .010"	MD 14.2 Taber Units	
	TD 15.6 Taber Units	
HDT @ 264 psi *	185° F	D 648

* indicates data was obtained from molded samples only, in an unannealed state.

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