

High Impact Polystyrene

DESCRIPTION:

A versatile, cost effective extruded polystyrene that can be used in a variety of applications. Our HIPS can be used in point of purchase displays, in-store signage, food and medical trays, horticultural signage and tags.

CHARACTERISTICS:

- Can be printed Offset Lithography, Screen, UV Digital and Flexography
- Can be Heat bent, die cut, punched, thermoformed and guillotine cut
- Excellent dimensional stability
- Provides good toughness, stiffness and impact strength
- Available in sheets or rolls
- Available in a variety of opacities from natural to dead opaque
- Corona treatment, Impact Modifiers or UV Inhibitors available upon request
- Surfaces include matte/matte, gloss/matte
- FDA approved materials available
- Recycle Code #6

TECHNICAL DATA:

PROPERTIES	UNIT	TYPICAL VALUES	TEST METHOD
THICKNESS ± 5% or .001 Maximum (whichever is greater)	inches	.010" TO .125"	T 411
YIELD	MSI / lb	2.75 @ .010	T410
SPECIFIC GRAVITY	g/cm ³	1.03	D 1505
TENSILE STRENGTH @ BREAK	MD TD	psi	D 882
		2700 3500	
ELONGATION @ BREAK	MD TD	%	D 882
		30% 50%	
TEAR RESISTANCE INITIATED	MD TD	lb	D 1938
		.15 .39	
TEAR RESISTANCE UNINITIATED	MD TD	lb	D 1004
		2.3 3.1	
STIFFNESS	MD TD	Taber Units	D 5342
		14.2 @ .010 15.6 @ .010	
HDT @ 264 psi**	° F	185°	D 648
**Indicates data was obtained from molded samples only, in an unannealed state.			

All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

Revision Date: 10/25/2016

CORPORATE HEADQUARTERS 9201 W. Belmont Avenue | Franklin Park, IL 60131

USA 800.618.5060 | 847.678.1800 main | 847.233.0199 fax

CAN 800.268.4108 | 416.292.6000 main | 416.292.7399 fax

TRANSCENDIA.COM