

HIPS – XLR

DESCRIPTION:

HIPS-XLR, is a High Impact Polystyrene with Xceptional printability, is the Latest technology that facilitates product degradation in a biologically active waste stream and is a Responsible alternative when materials are not being recycled.

HIPS - XLR is versatile, cost effective extruded polystyrene that can be used in point of purchase displays, in-store signage, food and medical packaging, horticultural signage and many more temporary applications.

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	2700 3500	D 882
ELONGATION @ BREAK	MD TD	%	30% 50%	
TEAR RESISTANCE INITIATED	MD TD	lb	.15 .39	D 1938
TEAR RESISTANCE UNINITIATED	MD TD	lb	2.3 3.1	D 1004
STIFFNESS	MD TD	Taber Units	14.2 @ .010 15.6 @ .010	D 5342
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.

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