

Prosurface™ High Impact Polystyrene

DESCRIPTION

A versatile, cost-effective extruded polystyrene featuring a uniform velvet finish on two sides, engineered to provide consistent aesthetics while increasing design and production efficiencies. Suitable for a variety of applications, including 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, and guillotine cut
- Excellent dimensional stability
- Available in a variety of white shades
- Available in sheets or rolls, in a variety of opacities from natural to dead opaque
- FDA compliant materials available
- Consistent velvet-matte finish from side to side, available in 15 to 59 mil thicknesses
- Recycle Code #6

FDA STATUS

Manufactured with materials compliant with FDA regulations.

COMPLIANCE

Please visit <https://www.transcendia.com/compliance> for more compliance information.

TECHNICAL DATA

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUE	TEST METHOD
Thickness ($\pm 5\%$ or $.001''$, whichever is greater)	inches	0.015 TO 0.059	ASTM T411
Yield (0.015")	in ² /lb	1,830	ASTM T410
Specific Gravity	g/cm ³	1.03	ASTM D1505
Tensile Strength (0.010")	psi	MD 2,700	ASTM D882
		TD 3,500	
Elongation at Break (0.010")	%	MD 30	ASTM D882
		TD 50	
Tear Resistance, Initiated (0.010")	lb	MD 0.15	ASTM D1938
		TD 0.39	
Tear Resistance, Uninitiated (0.010")	lb	MD 2.3	ASTM D1004
		TD 3.1	
Stiffness (0.010")	Taber Units	MD 14.2	ASTM D5342
		TD 15.6	
HDT @ 264 psi*	°F	185	ASTM D648

*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.

CORPORATE HEADQUARTERS

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