

Styrene

Description:

Ultraflex Systems Inc. Styrene is a durable white, rigid substrate readily available in a variety of widths and thicknesses from 30" up to 60". Styrene is a rigid plastic which can be used indoor or outdoor. Styrene is well suited for frontlit or backlit signage and can be digitally printed with some solvent inks and most UV curable inks. Some applications include scrolling POP signs, banners, bus shelter signs, and trade show booth graphics. Stock thickness are 14pt. and 18pt. however, Ultraflex can custom make this product up to 30 pt. and in various widths up to 60" wide. Styrene is also available with a pressure sensitive adhesive.

Physical Properties

The following information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. They are given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Data represents averages and is not intended for use as a specification.)

CHARACTERISTICS	TEST METHOD	METRIC	ENGLISH
Type of Coating	N/A	Polystyrene	Polystyrene
Gauge (Thickness)		14 mil	14 pt
Total Weight	DIN EN ISO 2286-2	350 g/m ² (1.22m) 350 g/m ² (1.52m)	10 oz/yd ² 10 oz/yd ²
Width	DIN EN ISO 2286-1	1.22m, 1.37m, 1.52m	48", 54", 60"
Tensile Strength	ASTM D-638	N/A	2100 – 6000 PSI
Elongation	ASTM D-638	N/A	20% – 65%
Izop Impact (73°F)	ASTM D-256	N/A	1.0 – 7-ft-lb/in
Coefficient of Thermal Expansion x 10 ⁻⁵	ASTM D-696	N/A	3.0 – 5.0 in/in/°F
RF Weldable (Heat Sealable)	DIN 53354	No	No

