



MGX-1838 - 13" X 19"
MGX-4994 - 20" X 28"

10 mil Translucent Styrene ID

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DESCRIPTION:

MGX's Styrene, also known as Polystyrene or PS, boasts several advantages that make it a versatile material. It offers excellent impact resistance, is easily machinable, cost-effective, and FDA compliant for indirect food contact and is recyclable. Its bright white appearance, multiple opacities, and formability make it suitable for various applications.

APPLICATIONS:

Point-of-Purchase Signage • Backlit Displays • Push/Pull Graphics • Gift, Loyalty, Library and Fundraising Cards

Physical Properties	Condition	Actual Value	Units	Thickness	Test Method
Thickness	(±5% or .001", whichever is greater)	0.010 to 0.125	inches		ASTM T411
Yield		2,750	in ² /lb	0.010 in.	ASTM T410
Specific Gravity		1.03	g/cm ³		ASTM D1505
Tensile Strength	Machine Direction	2,700	psi	0.010 in.	ASTM D882
Tensile Strength	Transverse Direction	3,500	psi	0.010 in.	ASTM D882
Elongation at Break	Machine Direction	30	%	0.010 in.	ASTM D882
Elongation at Break	Transverse Direction	50	%	0.010 in.	ASTM D882
Tear Resistance, Initiated	Machine Direction	0.15	lb	0.010 in.	ASTM D1938
Tear Resistance, Initiated	Transverse Direction	0.39	lb	0.010 in.	ASTM D1938
Tear Resistance, Uninitiated	Machine Direction	2.3	lb	0.010 in.	ASTM D1004
Tear Resistance, Uninitiated	Transverse Direction	3.1	lb	0.010 in.	ASTM D1004
Stiffness	Machine Direction	14.2	Taber	0.010 in.	ASTM D5342
Stiffness	Transverse Direction	15.6	Taber	0.010 in.	ASTM D5342
Heat Deflection Temp. (HDT)	264 psi*	185	°F		ASTM D648
Recycle Code					

Product Performance and Suitability Disclaimer: 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. MGX 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.