



PET SHEET

January 2013

MPX 4100 Prime APET Sheet

CAPABILITIES

- Gauge: .0095" to .035" (241 to 889 μm)
- Width: 12" to 48" (305 to 1219 mm)
- Core Size: 6" standard cores, 3" and 8" available
- Roll O.D.: 29" standard, up to 40" available
- Available in clear, colored and tinted
- Graphic Arts available
- Silicone coating available

PROPERTIES

- Exceptional clarity and impact performance
- Good formability with great definition
- Faster forming cycles than PVC
- Excellent strength for tough POP applications
- 100% recyclable
- FDA complaint to CFR 21#177.1630
- Kosher material

TECHNICAL SPECIFICATIONS

	Value	Units	ASTM
Density	1.33	g/cc	
Shrinkage	2.0 to 5.0	%	D955
Yield	20,810	in ² /lb./mil of thickness	
Tensile Strength at Yield	8,000 to 9,000	psi	D638
Ultimate Elongation	200 to 400	%	D638
Flexural Modulus	325,000 to 370,000	psi	D790
Intrinsic Viscosity	≥ 0.74		D3835
Light Transmission	≥ 90	%	D1003
Haze	≤ 2	%	D1003
Clarity	≥ 99	%	D1003
Typical Thermoforming Temperature	250 to 310 (121 to 154)	$^{\circ}\text{F}$ $(^{\circ}\text{C})$	
Typical Range of Use	0 to 150 (-18 to 66)	$^{\circ}\text{F}$ $(^{\circ}\text{C})$	

CHEMICAL RESISTANCE

Acid Resistance	Good to Excellent
Strong Oxidizers	Good to Excellent
Alkalies	Fair to Good
Hydrocarbon Solvents	Good to Excellent
Alcohols Good to Fat, Grease, and Oil	Good to Excellent

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