

## Clear Vinyl - Permanent

### Product:

### Benefits:

- 4.0 mil hard clear vinyl provides durability for ease of installation and removal
  - Printable via UV and solvent screen, UV and solvent inkjet, and UV offset
  - HP Latex compatible
  - High-performance permanent adhesive bonds well to ABS, acrylic, Formica®, aluminum, stainless steel, HDPE, painted metal, styrene, painted non-vinyl wallboard, glass and more
  - 90 lb. polycoated layflat release liner for ease of converting
- Typical max. ink limit = 250% • When storing printed graphics, sheeted, stacked or in roll-form, consider leaving an unprinted margin (about 1/4") to allow for potential shrinkage of the film before trimming

*Self-adhesive film is an essential tool for indoor and outdoor promotional advertising, providing the durability, flexibility, and aesthetic quality that open up all kinds of possibilities for grabbing the consumer's attention for the duration of the advertising campaign.*

### *End-Use Applications:*

*Cooler Graphics*

*Counter Graphics*

*Display Graphics*

*General-Purpose Signage*

*Indoor Floor Graphics*

*Interior Signage*

*Outdoor Signage*

*Wall Graphics*

*Window Graphics*

PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	4.0 (102) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	0.9-1.0 +/- 0.1 (3)	
	Liner	6.9 (175) +/- 10%	
Dimensional Stability (%)	MD	0.75	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
	TD	0.50	
Adhesion Properties			
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)	
ABS	110	(1210)	
Acrylic Powder Paint	101	(1111)	
Aluminum	73	(803)	
Formica	48	(528)	
Glass	96	(1056)	
HDPE	41	(451)	
Painted Metal	90	(990)	
Painted Wood	35	(385)	
Polycarbonate	91	(1001)	
Polypropylene	43	(473)	
Sintra	65	(715)	
Smooth Painted (non-vinyl) Wallboard	25	(275)	
Stainless Steel	87	(957)	
Styrene	73	(803)	
Varnished Wood	45	(495)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	15		
Tack (gm/sq cm)	1000		ASTM D 2979
Expected Exterior Life	Two years		
Service Temperature Range	-40°F to 176°F (-40°C to 80°C)		
Minimum Application Temperature	50°F (10°C)		
Storage Stability	Two years stored at 70°F (21°C) and 50% RH		