



PRODUCT INFORMATION

Classics *Plus*® 41006

Product Description:

Classics *Plus* 41006 is a 4.0 mil UL-recognized semi-flexible white vinyl film coated with a permanent pressure-sensitive acrylic adhesive and backed with a two-side polycoated layflat release liner for use over sheets.

Applications:

Labels, decals and nameplates.

Features & Benefits:

- 4.0 mil white vinyl is semi-flexible
- Lower level of plasticizers helps reduce on-liner and applied shrinkage
- Film retains a portion of conformability essential for curved surface applications
- Compatible with most standard non-vinyl based screen process and offset inks
- Excellent processing properties which does not have a tendency to ooze; therefore, diecutting and guillotine operations may be run with a minimum of adhesive build-up
- Adhesion to a variety of surfaces, including low surface energy plastics, make it a truly general-purpose adhesive
- Sheet liner is curl-resistant due to its moisture-resistance
- Intended to be printed and diecut in sheets, hand dispensed, and hand applied to the application substrate
- Stiffness and thickness allows ease of handling through manual processing or automatic processing equipment
- UL-recognized for indoor and outdoor use with occasional exposure to water or lubricating oil. For further information, please reference FLEXcon's File No. MH10170 (N) or contact your Business Team Representative

Recommendations:

Please test for ink adhesion with your specific ink chemistry.

Product Variations:

None

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PRODUCT DATA	VALUE	TEST METHOD
Physical Properties:		
Thickness (Mils[microns])	Film: 3.5 (89) +/- 10% Adhesive: 1.0-1.1 (25-28) +/- 0.1 (3) Liner: 6.9 (175) +/- 10%	ASTM D 3652
Dimensional Stability (%)	MD: <1.0 TD: <1.0	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
Chemical Resistance	Basic Cleaners: Good Gasoline: Fair Toluene: Poor Water: Good	ASTM D 896
Adhesion Properties:		
Ultimate Peel from various surfaces	<u>Average</u> Oz/in (N/m)	ASTM D 903 (Modified for 72 hour dwell time)
Stainless Steel	63 (693)	
Acrylic	70 (770)	
Glass	68 (748)	
Expected Shear (hours)	20	ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Tack (gm/sq cm)	370	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 when stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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