



# OptiFlex® Thin MPP16419 (1.6 Mil Silver Polypropylene, TC, V-01 Adhesive, .92 Mil Poly Liner)

Primary and Secondary Labeling Silver Polypropylene  
FLX056722

## Benefits

- Adhesive complies with FDA 175.105 for indirect food contact
- Offers a 20% reduction over the traditional 2.0 mil polypropylene

## Features

- "Greener" down-gauged 1.6 mil metalized silver polypropylene (BOPP) has excellent surface smoothness, and offers excellent resistance to shrinkage, moisture, humidity and product contents
- Films' uniqueness and brilliance is ideal for achieving high visual impact
- Printable via UV, solvent & water flexo, UV offset, UV screen, UV letterpress, and hot stamping
- V-01 high-performance, permanent acrylic adhesive adheres to a wide range of container types including low-surface energy HDPE
- Backed with Flexcon® TracRite™ 92 polyester release liner for excellent on-press performance for tight-registration graphics
- Release liner provides a good diecutting base and allows for high-speed dispensing
- Product has been 3rd party tested for Higher Pressure Processing (HPP) and adhesive was found to have the necessary strength and compatibility to withstand the HPP conditions

## Additional Details

### Technical Data

#### Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	3.47	
Film	1.6 +/- 10%	44
Adhesive	0.5-0.6 +/- 0.1	13-15 +/- 3
Liner	0.92 +/- 5%	23

Test Method: ASTM D 3652 (Modified for use with non-tape products)

**Adhesion Properties**

Ultimate Peel from	Average Oz/In	(N/m)
Acrylic	52	572
Glass	64	704
Stainless Steel	57	627
Polypropylene	22	242
HDPE	20	220

Test Method: ASTM D 903 (Modified for 72 hour dwell time)

Additional Properties	Value	Test Method
Expected Shear (hours)	10 (permanent adhesive)	ASTM 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	720	ASTM D 2979
Expected Exterior Life	Indoor use only	
Additional Information		
Service Temperature	-40°F to 212°F (-40°C to 100°C)	
Minimum Application Temperature	32°F (0°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

**Product Performance and Suitability**

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