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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