



Flexcon® OptiFlex® MPP20413 2.0 Mil Silver Polypropylene, TC, V-01 ADH, 1.2 Mil Polyester Liner

Primary and Secondary Labeling Silver Polypropylene
FLX056721

Benefits

- Excellent surface smoothness allows for optimum ink laydown
- Polypropylene is more economical and conformable than polyester and provides a good diecutting base
- Adhesive complies with FDA 175.105 for indirect food contact
- 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
- Order custom widths without purchasing a whole master through Flexcon® FlexChoice™ for Packaging

Features

- Topcoated 2.0 mil hard silver polypropylene (BOPP) offers resistance to shrinkage, moisture, and humidity
- Excellent surface smoothness allows for optimum ink laydown
- Printable via UV, solvent & water flexo, UV inkjet (Xeikon Jetrion 4000 series and Domino), UV screen, UV letterpress, and hot stamping
- High-performance, permanent acrylic adhesive adheres to a wide range of container types including low-surface energy HDPE
- Polyester release liner for excellent on-press performance for tight-registration graphics & contains up to 60% post industrial recycled content

Additional Details

Technical Data

Physical Properties

| Thickness (Mils [microns]) | Mils | Microns |
|----------------------------|-----------------|-------------|
| Total Product | 4 | |
| Film | 2.0 +/-10% | 51 |
| Adhesive | 0.5-0.6 +/- 0.1 | 13-15 +/- 3 |
| Liner | 1.2 +/- 5% | 30 |

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

Adhesion Properties

| Ultimate Peel from | Average Oz/In | (N/m) |
|--------------------|---------------|-------|
| Stainless Steel | 54 | 594 |
| Acrylic | 54 | 594 |
| Glass | 40 | 440 |
| Polypropylene | 23 | 253 |
| Styrene | 41 | 451 |

Test Method: ASTM D 903 (Modified for 72 hr. RT dwell time)

| Additional Properties | Value | Test Method |
|---------------------------------|---|---|
| Expected Shear (hours) | 10 | ASTM 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load) |
| Tack (g) | 790 | 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 | 35°F (1.7°C) | |
| Storage Stability | Two years stored at 70°F (21°C) and 50% relative humidity | |

Product Performance and Suitability

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