



# Flexcon® ThermlFilm® NexGen™ 24120

2.0 Mil Gloss Topcoated Satin Silver Polyester, Permanent Adhesive, Roll-Form Liner  
FLX054111

## Benefits

- UL recognized under UL 969 - UL File No. PGJ12.MH16635 Printing Materials - Component
- cUL recognized under UL File No. PGJ18.MH16635 - Printing Materials Certified for Canada - Component - under CAN/CSA standard C22.2, No. 0.15
- CSA accepted under CSA File No. 99214

## Features

- 2.0 mil gloss topcoated satin silver polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Topcoat is more universally printable than other thermal transfer printable products
- Permanent acrylic pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass
- High shear and high peel adhesive resists cold flow and oozing
- Adhesive bonds well to base film substrates
- 50 lb. bleached kraft release liner made from up to 30% post-consumer waste, ideal for roll form converting
- Liner is suitable for optical sensing on most thermal transfer printers

## Additional Details

### Technical Data

#### Physical Properties

| Thickness (Mils [microns]) | Mils            | Microns     |
|----------------------------|-----------------|-------------|
| Total Product              | 6.45            |             |
| Film                       | 2.0 +/- 10%     | 51          |
| Adhesive                   | 0.8-0.9 +/- 0.1 | 20-23 +/- 3 |
| Liner                      | 3.1 +/- 10%     | 79          |

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



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## Adhesion Properties

| Ultimate Peel from | Average Oz/In | (N/m) |
|--------------------|---------------|-------|
| Stainless Steel    | 55            | 605   |
| Acrylic            | 77            | 847   |
| Glass              | 68            | 748   |
| Polypropylene      | 15            | 165   |

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

| Additional Properties           | Value   | Test Method  |
|---------------------------------|---|--|
| Expected Shear (hours)          | 30  | ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load) |
| Tack (g)                        | 1030  | ASTM D 2979  |
| Expected Exterior Life          | Two years   |  |
| Additional Information          |   |  |
| Service Temperature             | -40°F to 302°F (-40°C to 150°C)                           |  |
| Minimum Application Temperature | 50°F (10°C)   |  |
| Storage Stability               | Two years stored at 70°F (21°C) and 50% relative humidity |  |

## Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon.

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