



Flexcon® OptiFlex® Thin EcoFocus® 069592 (PE 220 F Clear V-127RE TracRite™ 92)

2.2 mil clear polyethylene for packaging label solutions - Enabling Recyclability of HDPE Containers
FLX069592

Benefits

- Association of Plastic Recyclers (APR)
- 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
- Release liner provides a good diecutting base and allows for high-speed dispensing
- Part of Flexcon's OptiFlex® packaging [squeezeable film label](#) product offering

Features

- 2.2 mil clear polyethylene offers superior film conformability for maximum label and graphic coverage
- Print-receptive film provides uniform and consistent printability via rotary letterpress, rotary screen, HP Indigo, narrow-format UV inkjet and flexography (in-line corona treatment recommended to enhance print receptivity)
- Polyethylene film offers good resistance to a variety of environments, including the shower where moisture and humidity are present
- High-performance adhesive adheres well to HDPE containers
- V-127RE adhesive is compatible with the HDPE recycling process allowing for the collection of rHDPE
- Adhesive complies with FDA 175.105 for indirect food contact
- Backed with a Flexcon® TracRite™ 92 polyester release liner for excellent on-press performance for tight-registration graphics

Additional Details

APR Critical Guidance Recognition - Flexcon's undecorated OptiFlex® Thin EcoFocus® PE 220 F Clear pressure-sensitive labels, with V-127RE adhesive meet or exceed APR's Critical Guidance Protocol for HDPE Colored or Natural Bottles with Resin Additives, Barriers, Labels or Closures, HDPE-CG-01.

Technical Data

Physical Properties

| Thickness (Mils [microns]) | Mils | Microns |
|----------------------------|-----------------|-------------|
| Total Product | 3.82 | |
| Film | 2.2 +/- 10% | 56 |
| 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) |
|--------------------|---------------|-------|
| Glass | 48 | 528 |
| HDPE | 19 | 209 |
| Polypropylene | 29 | 319 |
| Stainless Steel | 51 | 561 |

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

| Additional Properties | Value | Test Method |
|---------------------------------|---|--|
| Expected Shear (hours) | 10 | ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load) |
| Tack (g) | 570 | ASTM D 2979 |
| Expected Exterior Life | Indoor use only | |
| Additional Information | | |
| Service Temperature | -40°F to 176°F (-40°C to 80°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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