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 High 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 squeezable film labelproduct 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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