

# Bumper Stickers

White - Permanent - Roll Form

*Bumper stickers are like "mini-billboards", working 24/7 to get important messages across. Pressure-sensitive film is a perfect solution because it is highly durable. In addition, it offers a wide variety of options from simple, brilliant white to colors, and even eye-catching holographic patterns for interesting light-diffraction effects.*

*End Use Applications:  
Vehicle Bumper Stickers  
School/Association Decals  
Novelty  
Vehicle Window Stickers  
Flexible Magnet*

*For more information on FLEXcon's pressure-sensitive film solutions for Bumper Stickers, contact your local Sales Representative or our Product Branding Business Team at (508) 885-8370.*

*Product ID #: FLX000008*



Product:

**Flexcon®  
Classics Plus® Select™  
31185SL**

Benefits:

- 3.25 flexible white vinyl film provides durability and easy installation
- Ink-receptive surface is compatible with most standard flexographic inks. Please test for ink adhesion with your specific ink chemistry
- Permanent pressure-sensitive acrylic adhesive bonds well to a variety of surfaces including chrome-coated metal, chrome-coated plastic, glass, auto glass and painted plastic
- Roll-form liner is a semi-bleached kraft release liner for ease of converting and manual dispensing

Ask about FLEXcon's wide variety of colored vinyls, brilliant metallic polyesters and eye-catching holographic vinyls for bumper stickers



# Flexcon®

## Classics Plus® Select™ 31185SL

| PRODUCT DATA                    | VALUE  |                               | TEST METHOD   |
|---------------------------------|--|-------------------------------|---|
| Physical Properties             |  |                               |   |
| Thickness (Mils[microns])       | Film   | 3.1 (79) +/- 10%              | ASTM D 3652 (Modified for use with non-tape products)                                 |
|                                 | Adhesive   | 0.75-0.85 (19-22) +/- 0.1 (3) |   |
|                                 | Liner  | 3.1 (79) +/- 10%              |   |
| Dimensional Stability (%)       | MD   | 0.75                          | Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C) |
|                                 | TD   | 0.50                          |   |
| Chemical Resistance             | Water  | Good                          | ASTM D 896 (Modified for number of cycles and cycle time)                             |
|                                 | Gasoline   | Poor                          |   |
|                                 | Basic Cleaners   | Excellent                     |   |
|                                 | Toluene  | Poor                          |   |
| Adhesion Properties             |  |                               |   |
| Ultimate Peel from              | Average  |                               | ASTM D 903 (Modified for 72 hour dwell time)  |
|                                 | Oz/In  | (N/m)                         |   |
| Automotive Glass                | 41   | (451)                         |   |
| Chrome-Coated Metal             | 41   | (451)                         |   |
| Chrome-Coated Plastic           | 41   | (451)                         |   |
| Glass                           | 30   | (330)                         |   |
| Painted Plastic                 | 39   | (429)                         |   |
| Expected Shear                  |  |                               | ASTM D 3654 Method A<br>a. 1 hr. dwell<br>b. 1 sq. in. surface<br>c. 4 lb. load       |
| Room Temp (hours)               | 2  |                               |   |
| Tack (gm/sq cm)                 | 350  |                               | ASTM D 2979   |
| Expected Exterior Life          | Two years  |                               |   |
| Service Temperature Range       | -40°F to 176°F (-40°C to 80°C)                                 |                               |   |
| Minimum Application Temperature | 50°F (10°C)  |                               |   |
| Storage Stability               | Two years when stored at 70°F (21°C) and 50% relative humidity |                               |   |

### Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of FLEXcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by FLEXcon. All purchasers of FLEXcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of FLEXcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.

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