

Consumer Durables

Print-Receptive White Vinyl - Sheet Form

End Use Applications:
Compliance Labels
Warning & Instructional Labels
Nameplates
Brand Identity Labels

Markets including:
Appliance
Automotive
Heavy/Outdoor Equipment
Industrial/Manufacturing
Power Equipment

*For more information on
FLEXcon's
pressure-sensitive film
solutions for Consumer
Durables and more, contact
your local Sales
Representative or our
Product Identification
Business Team at (508)
885-8300.*

Product ID #: FLX068722



Product: Flexcon® NexGen™ WV344HS

Benefits:

- Print-receptive 4.0 mil white flexible vinyl provides consistent surface smoothness, excellent dimensional stability, and conformability
- This is a plasticized film, please expect to experience a "learning curve" when printing this film. We recommend fit-for-use testing.
- Compatible with most conventional and UV ink systems (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions)
- In most cases, corona treatment is not required
- Permanent acrylic pressure-sensitive adhesive with a heavier coat weight bonds well to rough textured surfaces, including low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate, and fiberglass
- 90 lb. moisture stable polycoated release liner is ideal for roll-to-sheet and sheet-form converting on most narrow-format presses
- UL recognized under UL 969 - UL File No. PGGU2.MH10170 Printing Materials - Component
- cUL recognized under UL File No. PGGU8.MH10170 - Printing Materials Certified for Canada - Component - under CAN/CSA standard C22.2, No. 0.15

All narrow-format UV inkjet systems are different; therefore, we recommend "fit-for-use" testing.

Flexcon® NexGen™ WV344HS

| PRODUCT DATA | VALUE | TEST METHOD |
|--|--|---|
| Physical Properties | | |
| Thickness (Mils[microns]) | Film | 3.5 (89) +/- 10% |
| | Adhesive | 1.9-2.1 (48-53) +/- 0.1 (3) |
| | Liner | 6.9 (175) +/- 10% |
| Dimensional Stability (%) | No Shrinkage Observed | Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C) |
| Adhesion Properties | | |
| Ultimate Peel from | Average | ASTM D 903 (Modified for 72 hour dwell time) |
| | Oz/In (N/m) | |
| ABS | 84 (924) | |
| ABS Textured Side | 40 (440) | |
| Acrylic | 130 (1430) | |
| Acrylic Powder Paint | 83 (913) | |
| Aluminum | 91 (1001) | |
| Ceramic Tile | 79 (869) | |
| Epoxy Powder Paint | 96 (1056) | |
| Fiberglass | 81 (891) | |
| HDPE | 54 (594) | |
| Metal - Heavy Textured Aluminum | 20 (220) | |
| Metal - Light Textured Stainless Steel | 107 (1177) | |
| Painted Metal | 74 (814) | |
| Polycarbonate | 82 (902) | |
| Polyester Powder Paint | 79 (869) | |
| Polyurethane Powder Paint | 91 (1001) | |
| Stainless Steel | 94 (1034) | |
| Expected Shear | | ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load |
| Room Temp (hours) | 20 | |
| Tack (gm/sq cm) | 900 | ASTM D 2979 |
| Expected Exterior Life | Five years based on 2000 hrs Xenon Arc | |
| Service Temperature Range | -40°F to 176°F (-40°C to 80°C) | |
| Minimum Application Temperature | 50°F (10°C) | |
| Storage Stability | Two years stored at 70°F (21°C) and 50% RH | |

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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