

Consumer Durables

Gloss Topcoated White Polyester for
Oily and Rough Textured Surfaces - 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 #: FLX068702



Product: **Flexcon® NexGen™ WP606HS**

Benefits:

- Gloss topcoated 2.0 mil white polyester provides consistent surface smoothness, excellent dimensional stability, and endurance to varying temperatures
- Printable via resin and wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; laser (toner); and narrow-format UV inkjet
- Permanent acrylic pressure-sensitive adhesive with a heavier coat weight offers high initial tack, high shear, and high ultimate bond to a wide variety of oily and rough textured surfaces, including low-surface energy plastics and painted metal
- 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. 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

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

For laser diecutability, please check with your equipment manufacturer.

Flexcon® NexGen™ WP606HS

| PRODUCT DATA | VALUE | TEST METHOD |
|---------------------------------|--|---|
| Physical Properties | | |
| Thickness (Mils[microns]) | Film | 2.0 (51) +/- 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 | 81 (891) | |
| ABS Textured Side | 24 (264) | |
| Acrylic | 122 (1342) | |
| Acrylic Powder Paint | 89 (979) | |
| Aluminum | 102 (1122) | |
| Epoxy Powder Paint | 111 (1221) | |
| Fiberglass | 91 (1001) | |
| HDPE | 42 (462) | |
| Metal - Heavy Textured | 8 (88) | |
| Metal - Light Textured | 96 (1056) | |
| Painted Metal | 100 (1100) | |
| Polycarbonate | 99 (1089) | |
| Polyester | 95 (1045) | |
| Polyester Powder Paint | 47 (517) | |
| Polyurethane Powder Paint | 110 (1210) | |
| Stainless Steel | 87 (957) | |
| Expected Shear | | ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load |
| Room Temp (hours) | 75 | |
| Tack (gm/sq cm) | 1650 | ASTM D 2979 |
| Expected Exterior Life | Two years | |
| Service Temperature Range | -40°F to 302°F (-40°C to 150°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.

Last Modified On: 02/13/2024

