



Providing Solutions in Pressure Sensitive Films

# Product Construction Sheet

THERMLfilm® Chemgard™ PM 200 CLEAR exMTC-342 V-344 40#Glassine

**GENERAL DESCRIPTION:**

This is a chemical resistant thermal transfer printable matte top-coated clear polyester film coated with a permanent pressure sensitive acrylic adhesive and backed with a glassine release liner.

**NOTE:**

1. This product is only thermal transfer printable with the Ricoh B-110-CU ribbon and this combination provides exceptional chemical resistance of the printed image.
2. This is an experimental product, properties may change or withdrawn from the market. Feedback on (conventional) printing, die-cutting, dispensing and chemical resistance for the intended end-use application are required to commercialize this product

| PRODUCT DATA               | VALUE  | TEST METHOD                    |
|----------------------------|--|--------------------------------|
| <b>PHYSICAL PROPERTIES</b> |  |                                |
| Thickness (micron)         | Film: 50 +/- 10 %<br>Adhesive: 23-25 +/- 3<br>Liner: 56 +/- 10 % | ASTM D 3652                    |
| Dimensional Stability (%)  | No shrinkage observed  | On Al panel at 70°C for 24 hr. |

**ADHESION PROPERTIES\*\***

| Adhesion from (N/m)    | Average |                                       |
|------------------------|---------|---------------------------------------|
| Stainless Steel        | 737     | FTM 1 (Modified for 72 hr dwell time) |
| Glass                  | 759     |                                       |
| Polypropylene          | 528     |                                       |
| Expected Shear (hours) | 100 +   | FTM 8                                 |
| Tack (gm/sq cm)        | 540     | ASTM D 2979                           |

\*\* For guidance only  
This data is based on limited test results due to the custom nature of this product, not to be used for setting specifications.

|                                 |  |
|---------------------------------|--|
| EXPECTED EXTERIOR LIFE          | One year   |
| SERVICE TEMPERATURE RANGE       | -40°C to 130°C (matte top-coating may turn yellow under prolonged high temperature exposure) |
| MINIMUM APPLICATION TEMPERATURE | 10°C   |
| STORAGE STABILITY               | Two years stored at 21°C and 50% RH  |

\* THERMLfilm is a registered trademark of FLEXcon Company, Inc.

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**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.