



Providing Solutions in Pressure Sensitive Films

Product Construction Sheet

THERMLfilm® Chemgard™ MM 200 SILVER exMTC-342 V-344 40#Glassine

GENERAL DESCRIPTION:

This is a chemical resistant thermal transfer printable matte top-coated silver 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 This is an experimental product, properties may change or withdrawn from the market.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
PHYSICAL PROPERTIES		
Thickness (micron)	Film: 50 +/- 10 % Adhesive: 23-25 +/- 3 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)	50	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.

14-09-2006

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.