



Product Construction Sheet

FLX000471 - FLEXcon® THERMLfilm SELECT® 22970

GENERAL DESCRIPTION:

This is a topcoated thermal transfer printable metallized silver matte polyester film coated with a permanent pressure sensitive acrylic adhesive backed with a semi-bleached kraft release liner which has been coated on backside with Quilon® to prevent label pick-off.

UL RECOGNITION:

This product is UL recognized. For further information, please reference FLEXcon's UL file number PGGU2.10170 or contact your FLEXcon Representative.

PRODUCT DATA	VALUE	TEST METHOD
PHYSICAL PROPERTIES		
Thickness mil (micron)	Film: 2.0 (51) +/- 10 % Adhesive: 1.9-2.1 (48-53) +/- 0.1 (3) Liner: 3.1 (79) +/- 10 %	ASTM D 3652 (Modified for use with non-tape product)
Dimensional Stability (%)	No shrinkage observed	On Al panel at 160°F (71°C) for 24 hr.

ADHESION PROPERTIES*

Adhesion from	Average oz/in (N/m)	
Stainless Steel	104 (1144)	ASTM D 903 (Modified for 72 hr dwell time)
Acrylic	112 (1232)	
Glass	118 (1298)	
Polypropylene	22 (242)	
Expected Shear (hours)	100	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	1520	ASTM D 2979

* For guidance only, not to be used for setting specifications. Due to the custom nature of this product, the data presented are based on three or less production runs.

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 stored at 70°F (21°C) and 50% RH

THERMLfilm SELECT is a registered trademark of FLEXcon Company Inc.
Quilon is a registered trademark of Zaclon LLC

07/27/2016

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.