



Product Construction Sheet

ThermiFilm HT PI1W50GV2



General Description

A high temperature white polyimide film , topcoat for conventional printing, thermal transfer printing with resin and combo ribbons, as well as UV inkjet, coated with a permanent high performance acrylic adhesive backed with a glassine liner.

Product Data		Value		Test Method
Physical Properties				
Thickness (micron)	Film and coating	40	+/- 15 %	ASTM D 3652
	Adhesive	35-38	+/- 3	
	Liner	69	+/- 10 %	
Dimensional Stability (%)	Machine Direction	No shrinkage observed		On AL panel at 70°C for 24 hr.

Adhesive Properties**

Adhesion from (N/25mm)	Average		
Stainless Steel	638		FTM 1 (72 hr dwell time)
Glass	627		
Acrylic	605		
PP	33		
Expected Shear (Hours)	25		FTM 8
Tack (gm/sq cm)	1100		ASTM D 2979

UL RECOGNITION:

This product is UL recognized for indoor/outdoor use with occasional exposure to lubricating oil and water. For further information, please reference FLEXcon's UL file No MH16635 (N) or contact your FLEXcon Representative.

NOTE: This is an experimental product, customer must qualify it for the intended end-use application. Customer feedback is required to commercialise this product. Properties may change or product withdrawn from the market (discontinued)

*** For guidance only

This data is based on limited test results on adhesive coat weight of: This data is based on limited test results on adhesive coat weight of: 22 micron. Due to the custom nature of this product, not to be used for setting specifications.

Expected Exterior Life	2 years
Service Temperature Range	-40°C to 180°C (Intermittent 398°C)
Minimum Application Temperature	10°C
Storage Stability	2 years stored at 21°C and 50% RH

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04/02/2025

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Product Performance and Suitability

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