Transportation

Automotive Engine Compartment Cover Label

End Use Application: Engine Compartment Cover Label

Market: Automotive

For more information on FLEXcon's pressure-sensitive film solutions for automotive engine compartment cover label, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.

Product ID #: FLX012547

Product:

Flexcon®
ThermlFilm® PM 200 White TC-390
V-606 Spec 50K/Q-9 (1.4-1.5)

Benefits:

- 2.0 mil white gloss topcoated polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Topcoat resists smudging and abrasion when printed with resin and wax/resin thermal transfer ribbons
- Topcoat is compatible with color and black resin and wax/resin thermal transfer ribbons (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions)
- Permanent acrylic adhesive offers medium tack, high shear and excellent adhesion to a variety of metal and plastic surfaces, including polypropylene, polyethylene, PORON® and Kushon® cellular rubber products
- Adhesive offers high initial tack, high shear, and high ultimate bond to a wide variety of rough textured surfaces, including low-surface energy plastics and painted metal
- Backed with a 50 lb. semi-bleached kraft release liner that is Quilon® coated†

*PORON® is a registered trademark of Rogers Corporation. Kushon® is a registered trademark of Griswold Products, LLC.

†*Quilon® is a registered trademark of Zaclon, LLC.

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PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	1.4-1.5 (36-38) +/- 0.1 (3)	
	Liner	3.1 (79) +/- 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)	
Acrylic	113	(1243)	
Glass	127	(1397)	
Polypropylene	15	(165)	
Stainless Steel	91	(1001)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	100		
Tack (gm/sq cm)	1300		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		

Last Modified On: 03/06/2025