



# Overlaminating Films Data Page

FOD # 0185

## 3M™ ScotchCap™ 7737FL Velvet Lexan™ Overlaminating Film 7738FL Velvet Lexan™ Overlaminating Film

ScotchCap brand 7737FL and 7738FL Overlaminating Film offers the opportunity to achieve the attractive appearance of a subsurface screen printed Lexan nameplate with an economical overlamine construction. Also offers opportunity to create unique looks.

### Product Construction

Facestock:	7737FL	3.0 mils (75 Microns)	Lexan™ Matte Velvet Polycarbonate
	7738FL	5.0 mils (125 Microns)	Lexan™ Matte Velvet Polycarbonate
Adhesive:	7737FL	1.0 mils (25 Microns)	#400 “Hi-Tack” Acrylic
	7738FL		
Liner:	7737FL	1.5 mils (38 Microns)	Polyester
	7738FL		

## Features

- Lexan™ facestock decorative, velvet appearance
- #400 “Hi-Tack” Acrylic Adhesive good wet-out, clarity, non-yellowing

## Applications

- Decorative, protective overlamine on pressure sensitive labels and tags
- Overlamine on appliques and decorative trim strips
- An economical method of achieving the look of a Lexan nameplate. (Suggest 3M ScotchMark brand Printable Polyesters as base stock.)

## Physical Properties

(Typical values, not for specification use)

Adhesion:	Dynamic Peel 10 Min. Dwell (ASTM 3330)	<u>Surface</u>	<u>Oz./In.</u>	<u>N/100mm</u>
		Stainless	38	42
		Steel		

Liner release:	180 Degree liner removal 90 Inch/Min. speed 1” wide sample.	<u>Gram/Inch width</u>
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## Environmental Performance

### Chemical Resistance:

4 hour immersion, at ambient condition 2" x 2" samples on stainless steel panels.

<u>Chemical</u>	<u>Edge penetration</u>	<u>Appearance</u>
5% Sulfuric Acid	0	Good
Isopropyl Alcohol	1/16"	Good
JP-4 Jet fuel		
Heptane		
10W-30 Oil	0	Good

### Water and humidity resistance:

24 Hour Exposure  
2" x 2" Samples on Stainless Steel Substrate.

<u>Condition</u>	<u>Edge Penetration</u>	<u>Appearance</u>
Water Immersion @ R. T. 95 F (35 C) & 95% R.H.	0	Good

### Temperature Resistance:

24 Hours exposure  
No change noted in 2" x 2" sample after conditioning.

Minimum	-40 °F	(-40 °C)
Maximum	250 °F	( 121 °C)

Shelf Life: One year if properly stored at 72 °F (23 °C) and 50% R.H.

## Processing

Printing:	Non-applicable
Die-cutting:	Good with sharp dies designed to cut through a heavy overlaminated and base stock
Dispensing:	Excellent

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### Identification and Converter Systems Division

3M Center, Building 220-7W-03  
St. Paul, MN 55144-1000  
USA  
1 800 223 7427  
1 800 258 7511 FAX  
e-mail idconvert@mmm.com

### 3M Canada Inc.

PO Box 5757  
London, Ontario  
Canada N6A 4T1  
1 800 265 1840  
519 452 6090 FAX

### 3M Mexico, S.A. de C.V.

Apartado Postal 14-139  
Mexico, D.F. 07070  
Mexico  
52 5 728 2289  
52 5 728 2299 FAX

### 3M Puerto Rico, Inc.

Puerto Rico Industrial Park  
PO Box 100  
Carolina, PR 00986-0100  
809 750 3000  
809 750 3035 FAX