

# Grid Seal Applications

## Rigid Silver Film/Foil Lamination

*Protects Product Contents from Drying or Whitening.*

*Pressure-sensitive film exhibits excellent barrier properties and conforms and bonds well to the shape and surface of the container top. The adhesive keeps the grid seal label in place throughout production and distribution while being cleanly removable at time of use.*

*For more information on FLEXcon's pressure-sensitive film solutions for Grid Seal Applications, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.*

*Product ID #: FLX000199*



### Product:

Flexcon®  
OptiFlex® MF 200 R Silver V-58  
150 Poly H-9

### Benefits:

- 2.0 mil rigid silver film/foil lamination offers superior conformability and provides an excellent barrier that eliminates moisture transmission
- Product removes cleanly from container without splintering or delaminating
- Removable pressure-sensitive acrylic adhesive provides a high-peel removable bond to a variety of surfaces
- Backed with an ultra-smooth clear polyester release liner
- Release liner provides a good diecutting base and allows for high-speed dispensing

### Recommendations:

Application environments and certain surfaces such as vinyl, glass, acrylic, styrene, and polycarbonate can cause increased adhesion and adhesive transfer. We recommend that all surfaces be tested for compatibility and removability.

When ordering a die, it is necessary to specify a die tooled for OptiFlex® MF 200 R Silver V-58 150 Poly H-9.



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PRODUCT DATA	VALUE		TEST METHOD
Physical Properties			
Thickness (Mils[microns])	Film	2.5 (64) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	0.7-0.8 (18-20) +/- 0.1 (3)	
	Liner	1.4 (36) +/- 5%	
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)	
ABS	33	(363)	
Acrylic	39	(429)	
Corona Treated Polyethylene	25	(275)	
Polycarbonate	36	(396)	
Polyester	29	(319)	
Polyethylene	7	(77)	
Polypropylene	17	(187)	
PVC	52	(572)	
Styrene	26	(286)	
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	100+		
Expected Exterior Life	Indoor use only		
Service Temperature Range	-20°F to 176°F (-29°C to 80°C)		
Minimum Application Temperature	50°F (10°C)		
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity		

**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.

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