

# F-LOD-M

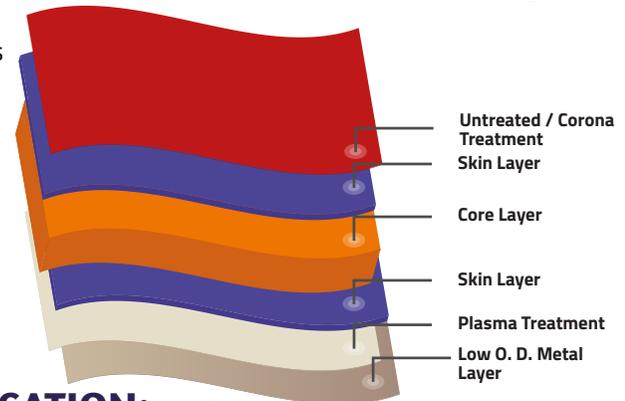
## LOW OPTICAL DENSITY METALLIZED FILM

F-LOD-M is a metallized BOPET film having a Low Optical Density. The base film is Untreated or Corona Treated on one side. The other side has a consistent metal coating on the Plasma Treated surface. The bond strength between the metal and the film is a minimum of 150gm/25mm when metallized on the Plasma Treated surface.

### KEY FEATURES:

- Excellent electrostatic dissipation
- Low optical density allows easy scanning & identification
- Excellent handling and conversion properties
- Static shielding capability

## FILM STRUCTURE



### APPLICATION:

- Bags for electronic devices & components
- Bags for printed circuit boards (PCB's)
- Machinery covers

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
OPTICAL DENSITY (TOLERANCE: +/- 10%)	Internal (TOBIAS)	-	0.40
THICKNESS	Internal	Micron	12
		(Gauge)	48
YIELD	Internal	m <sup>2</sup> / kg	59.5
		in <sup>2</sup> / lb	41934
SURFACE TENSION (min) # ★ (Corona Treated Surface)	ASTM D-2578	dyne/cm	52
COF (max) (One side to the other side)	ASTM D-1894	-	0.70
TENSILE STRENGTH AT BREAK (min)	ASTM D-882	kg/cm <sup>2</sup>	1900
			2000
		(Psi)	27000
			28500
ELONGATION AT BREAK (min)	ASTM D-882	%	105
			85
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	ASTM D-1204	%	3.0
			1.0
Surface Resistivity (Metallized surface)	ASTM D-257	Ohms/sq.	10 <sup>4</sup> - 10 <sup>8</sup>

★ This Dyne value is applicable only for NAFTA, SA, and Poland manufacturing plants.

# The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

### STORAGE & HANDLING

FLEXMETPROTECT™ needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXMETPROTECT™ is suitable for use within 180 days from the date of shipment.

### FOOD CONTACT

FLEXMETPROTECT™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific documents and SDS are available on request.

### DISCLAIMER

It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flex provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.