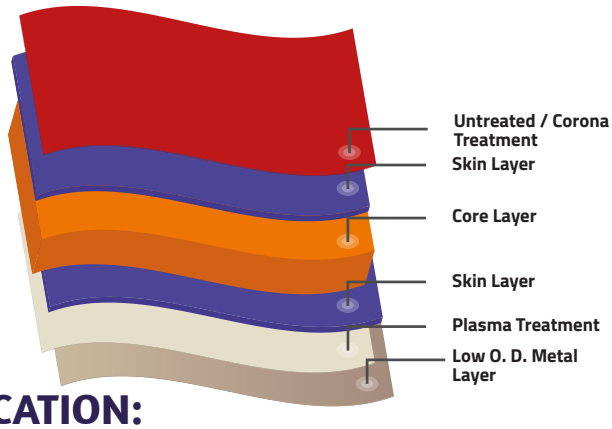
F-LOD-M

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 aminimum of 150gm/25mm when metallized on the Plasma Treated surface.

FILM STRUCTURE



KEY FEATURES:

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

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^2 / kg	59.5
			in^2 /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)	MD	ASTM D-882	kg/cm^2	1900
	TD			2000
	MD		(Psi)	27000
	TD			28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105
	TD			85
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0
	TD			1.0
Surface Resistivity (Metallized surface)		ASTM D-257	Ohms/sq.	10^4 - 10^8

★ 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

Ref. No: QAD UFLI S/20 -MF51/1
**** TDS issued on 01-04-2020. All previous version of this grade are invalid.**

FlexFilms
Manufacturing Facilities at
India | UAE | Poland | Egypt | Mexico |
USA | Hungary | Russia | Nigeria
✉ enquiry@flexfilm.com
www.flexfilm.com