

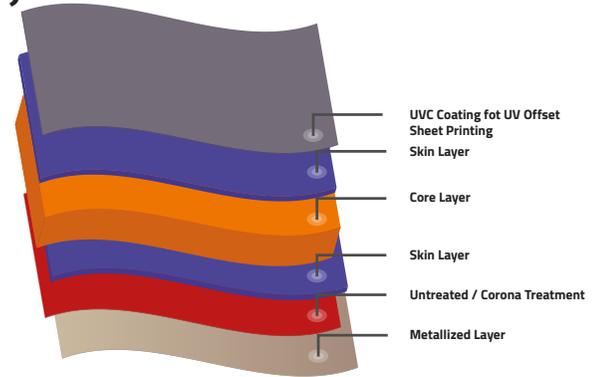
# F-UVC-M

## METALLIZED FILM FOR UV OFFSET SHEET PRINTING

F-UVC-M grade of metallized polyester film having metal deposit layer on Corona treated side and other side modified surface for UV offset printing.

F-UVC-M grade of metallised polyester film is available in optical density ranging from 1.4 to 3.0. The wide range of optical densities gives choice to the customer to use the product for diverse range of applications. The metallization is available on corona treated side (MT). The metal bond between the metal and film is a minimum of 130gm/25mm.

## FILM STRUCTURE



### KEY FEATURES:

- Good Optical properties
- Excellent Machinability & handling properties

### APPLICATION:

- Film is designed for UV offset sheet printing in box
- lamination application

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES	
OPTICAL DENSITY*** (TOLERANCE : +/- 5%) (* ** Customer to specify the O.D. value as per their application )				Standard Density (SD) 2.2	
THICKNESS	Internal	Micron		10	12
		(Gauge)		40	48
YIELD	Internal	m <sup>2</sup> / kg		71.42	59.52
		in <sup>2</sup> /lb		50318	41934
COF (max) One side to the other side		ASTM D-1894	-	0.70	0.70
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1900	1900
	TD			2000	2000
	MD		(Psi)	27000	27000
	TD			28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	100	105
	TD			80	85
LINEAR SHRINKAGE (max) (30 Minute at 105°C)	MD	ASTM D-1204	%	1.5	
	TD			0.6	
WVTR (38°C & 90%RH) (typical)	ASTM F-1249	gm/m <sup>2</sup> /day		1.0	1.0
		(gm/100in <sup>2</sup> /day)		0.06	0.06
OTR (23°C & 0%RH) (typical)	ASTM D-3985	cc/m <sup>2</sup> /day		1.1	1.1
		(cc/100in <sup>2</sup> /day)		0.07	0.07

# 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.