

# F-YRN-M

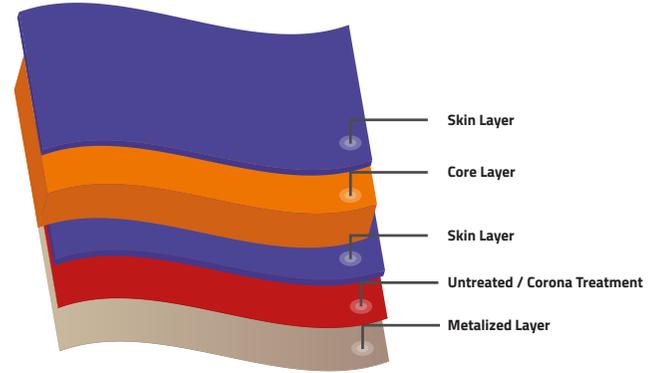
## YARN GRADE METALLIZED FILM

F-YRN-M is a metallized BOPET film specially designed for yarn application. The bond between the metal & film are as follows --metallized on normal side (MU) 100 gm/25mm, metallized on corona side (MT) 130 gm/25mm. This film has excellent mechanical & thermal properties.

### KEY FEATURES:

- Excellent Gloss gives good lustier after lacquering
- Excellent mechanical & thermal properties
- Excellent Machinability & handling properties

## FILM STRUCTURE



### APPLICATION:

- Metallic Yarn ( Jeri Work )

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES	
OPTICAL DENSITY*** (TOLERANCE : +/- 5%) ( *** Customer to specify the O.D. value as per their application )				Standard Density: 2.2 - Normal Packaging Application	
THICKNESS	Internal	Micron		12	23
		(Gauge)		48	92
YIELD	Internal	m <sup>2</sup> / kg		59.52	31.05
		in <sup>2</sup> /lb		41934	21876
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>	2000	2000
	TD			2100	2100
	MD		(Psi)	28500	28500
	TD			30000	30000
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	100	120
	TD			80	90
LINEAR SHRINKAGE (max) (At 190°C / 5 Minute )	MD	ASTM D-1204	%	4.0	-
	TD			0.4	-
LINEAR SHRINKAGE (max) ((At 150°C / 30 Minute)	MD	ASTM D-1204	%	-	2.0
	TD			-	0.4

# 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.

**FlexFilms**

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