

**Product Description:**

FLEXMETPROTECT™ F-YRN-M is a metallized polyester film having metallization on corona side and other side Untreated standard surface.

**Key Features:**

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

**Applications:**

Metallic Yarn ( Jeri Work )

**FLEXMETPROTECT™ F-YRN -M** grade of films are metallized polyester films specially designed for yarn application. The bond between the metal & film are as follows --metallized on normal side ( MU) 100 - 150gm/25mm, metallized on corona side ( MT) 130-180 gm/25mm.This film has excellent mechanical & thermal properties.

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE	
			12	23
<b>OPTICAL DENSITY</b> (TOLERANCE : +/- 5%)		-	<b>SD</b> 2.2	2.2
<b>THICKNESS</b>	<b>Internal</b>	<b>Micron</b> (Gauge)	12 48	23 92
<b>FILM DENSITY</b>	<b>D-1505</b>	<b>gm/cc</b>	1.4	1.4
<b>GRAMMAGE</b>	<b>Internal</b>	<b>gm/m<sup>2</sup></b>	16.8	32.2
<b>YIELD</b>	<b>Internal</b>	<b>m<sup>2</sup>/kg</b> <b>in<sup>2</sup>/lb</b>	59.52 41934	31.05 21876
<b>COEFF OF KINETIC FRICTION</b> <b>METAL WOUND</b>	<b>D-1894</b>	-	0.7 # MI/MO	0.7 MI/MO
<b>TENSILE STRENGTH AT BREAK</b>	<b>D-882</b>	<b>Kg/cm<sup>2</sup></b>	2000	2000
			2100	2100
		<b>(Psi)</b>	28500	28500
			30000	30000
<b>ELONGATION AT BREAK</b>	<b>D-882</b>	<b>%</b>	100	120
			80	90
<b>LINEAR SHRINKAGE ( Max.)</b> (AT 190 <sup>0</sup> C/5 Minute)	<b>D-1204</b>	<b>%</b>	4.0	-
			0.4	-
<b>LINEAR SHRINKAGE</b> (AT 150 <sup>0</sup> C/30 Minute)			-	2.0
			-	0.4

Ref no QAD UFLI S/14 - MF 5/1

\*MD = MACHINE DIRECTION \*TD = TRANSVERSE DIRECTION

# MI = Metal wound inside, MO = Metal wound out side

SD = Standard Density

**STORAGE & HANDLING**

FLEXMETPROTECT™ need to be stored in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35° C in dry place.FLEXMETPROTECT™ is suitable for use within 6 months from date of manufacturing, only if stored in recommended condition.

**FOOD CONTACT**

FLEXMETPROTECT™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

**DISCLAIMER**

It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications.The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It 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 Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information

**\*\*TDS issued on 11-02-2015.All previous version of this grade are invalid.**

Website: [www.flexfilm.com](http://www.flexfilm.com)