

**YARN GRADE METALLIZED POLYESTER FILMS (F-YRN-M)**

**APPLICATION: METALLIC YARN (JARI WORK)**

**FLEXMETPROTECT™** F-YRN-M are metallized polyester films specially designed for metallic yarn applications. The bond between the metal & film are as follows-metallized on normal side (MU)-180-200gm/25mm , metallized on corona side (MT) -250-300gm/25mm. The excellent gloss give this film good luster after lacquering. This film has excellent mechanical & thermal properties.

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
			12	23	
<b>OPTICAL</b>					
OPTICAL DENSITY (TOLERANCE : +/- 5%)	ND	Gretag	-	2.0	2.0
<b>GENERAL</b>					
THICKNESS	Internal		Micron	12	23
			(Gauge)	48	92
FILM DENSITY	D-1505		gm/cc	1.4	1.4
GRAMMAGE	Internal		gm/m <sup>2</sup>	16.8	32.2
YIELD	Internal		m <sup>2</sup> /kg	59.52	31.05
COEFF OF STATIC FRICTION	(Max.)	D-1894	-	0.8	0.8
METAL SIDE				TI/TO	TI/TO
<b>MECHANICAL</b>					
TENSILE STRENGTH AT BREAK (Min.)	D-882		MD*	2000	2000
			TD*	2100	2100
			MD*	28400	28400
			TD*	29800	29800
ELONGATION AT BREAK	D-882		MD	105	125
			TD	95	95
<b>THERMAL</b>					
LINEAR SHRINKAGE (Max.) (AT 190 <sup>0</sup> C/5 Minute)	D-1204		MD	4.0	-
			TD	0.4	-
LINEAR SHRINKAGE (Max.) (AT 150 <sup>0</sup> C/30 Minute)			MD	-	2.0
			TD	-	0.4

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

Information in this publication is believed to be accurate and is given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. Accordingly,UFlex gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law.UFlex reserves the right to change the technical data sheet at any time without prior information.



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