



FLEXMETPROTECT™ F-TST-M

Technical Data Sheet

(METALLIZED POLYESTER FILM)

Product Description:

FLEXMETPROTECT™ Polyester film having metal deposit layer on one side and other side untreated standard surface

Key Features:

Excellent Stiffness
Good Machinability & handling properties
Excellent Mechanical properties
Excellent Twist properties

Applications:

Twist wrap application
Candy Over wrap

FLEXMETPROTECT™ F-TST-M grade of films are metallized polyester films having optical density up to 2.2. This grade of film is available in one side Corona (CT) and another side plain (UT). This grade of film is metallized on corona (MT) & other side plain

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			18	20	23	30
OPTICAL DENSITY (SD) (TOLERANCE : +/- 5%) Customer to specify the value of OD required based on the application.			SD		2.2	
THICKNESS	Internal	Micron (Gauge)	18 72	20 80	23 92	30 120
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m ²	25.2	28.0	32.2	42.0
YIELD	Internal	m ² /kg in ² /lb	39.68 27956	35.71 25159	31.05 21876	23.8 16768
COEFF OF KINETIC FRICTION	D-1894	-	0.7	0.7	0.7	0.7
METAL WOUND			# MI/MO	MI/MO	MI/MO	MI/MO
TENSILE STRENGTH AT BREAK	MD*	Kg/cm ² (Psi)	2100	2100	2100	2100
	TD*		2300	2300	2300	2300
	MD*		30000	30000	30000	30000
	TD*		32700	32700	32700	32700
ELONGATION AT BREAK	MD	%	115	120	120	125
	TD		85	90	90	95

Ref no QAD UFLI S/15 - MF11/1

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

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

SD = Standard optical 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. This grade "TWIST PET" handle with extra care and keep rolls either in palletised form or on foam sheet during storage to prevent any damage initiated by improper handling and becoming irrecoverable due dead fold characteristic of film.

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 04-03-2016. All previous version of this grade are invalid.**

Website: www.flexfilm.com