



Technical Data Sheet

(METALLIZED BOPP FILM)

Product Description:

FLEX METPROTECT™ B-TDM-M is a metallized BOPP film having metal deposit treated side other side non heat sealable .

Key Features:

Excellent Gloss
Excellent metal adhesion
Brilliant Metal Appearance

Applications:

Decorative application
General purpose packaging

NON HEAT SEALABLE (B-TDM-M) APPLICATION: DECORATIVE APPLICATIONS

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE						
				15	17	18	20	22	23	24
OPTICAL DENSITY (TOLERANCE : +/- 5%)			-	1.8 -2.0	1.8-2.0	1.8-2.0	1.8-2.0	1.8-2.0	1.8-2.0	1.8-2.0
THICKNESS		Internal	Micron	15	17	18	20	22	23	24
			(Gauge)	60	68	72	80	88	92	96
FILM DENSITY		D-1505	gm/cc	0.90	0.9	0.90	0.90	0.90	0.90	0.90
GRAMMAGE		Internal	gm/m ²	13.50	15.3	16.20	18.00	19.80	20.70	21.60
YIELD		Internal	m ² /kg	74.07	65.36	61.73	55.56	50.51	48.31	46.30
			in ² /lb	52185	46049	43491	39144	35586	34036	32620
TREATMENT LEVEL		D-2578	dyne/cm	36	36	36	36	36	36	36
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	1200	1200	1200	1200	1200	1200	1200
	TD*			2500	2500	2500	2500	2500	2500	2500
	MD*		(Psi)	17000	17000	17000	17000	17000	17000	17000
	TD*			35500	35500	35500	35500	35500	35500	35500
ELONGATION AT BREAK	MD	D-882	%	160	160	160	160	160	160	160
	TD			60	60	60	60	60	60	60
MODULUS OF ELASTICITY	MD	D-882	Kg/cm ²	18000	18000	18000	18000	18000	18000	18000
	TD			30000	30000	30000	30000	30000	30000	30000
	MD		(KPsi)	255.6	255.6	255.6	255.6	255.6	255.6	255.6
	TD			426	426	426	426	426	426	426
LINEAR SHRINKAGE (Max.) (AT 130°C/5 Minute)	MD	D-1204	%	< 5.0						
	TD			< 3.0						
W.V.T.R.(38°C & 90%RH)		F-1249	gm/m ² /day	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0
			(gm/100in ² /day)	<0.07	<0.07	<0.06	<0.06	<0.06	<0.06	<0.06
O.T.R. (23°C & 0%RH)		D-3985	cc/m ² /day	125	125	110	100	100	100	100
			(cc/100in ² /day)	8	8.0	7.0	6.5	6.5	6.5	6.5

Ref no QAD UFLI S/14 - MB 6/1

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

STORAGE & HANDLING

FLEXMETPROTECT™ does not require special storage conditions. It is recommended to storage below 30°C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at operating environment for 24 hours before processing. FLEXMETPROTECT™ is best suitable for use up to 3 months from date of dispatch.

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