



Technical Data Sheet

(METALLIZED BOPP FILM)

Product Description:

FLEX METPROTECT™ B-TVL-M is a metallized BOPP film having metal deposit on corona treated side other side sealable.

Key Features:

High seal integrity
 Low heat seal initiation temperature
 Excellent hot tack properties
 Superior Barrier Properties
 Excellent metal anchorage

Applications:

Packaging and Conversion
 High Speed packaging application

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE					
			15	18	20	25	30	
OPTICAL DENSITY** (TOLERANCE : +/- 5%)		-	2.2	2.2	2.2	2.2	2.2	
THICKNESS	Internal	Micron	15	18	20	25	30	
		(Gauge)	60	72	80	100	120	
FILM DENSITY	D-1505	gm/cc	0.90	0.90	0.90	0.90	0.90	
GRAMMAGE	Internal	gm/m ²	13.50	16.20	18.00	22.50	27.00	
YIELD	Internal	m ² /kg	74.07	61.73	55.56	44.44	37.04	
		in ² /lb	52185	43491	39144	31309	26096	
TREATMENT LEVEL	D-2578	dyne/cm	36	36	36	36	36	
TENSILE STRENGTH AT BREAK	D-882	Kg/cm ²	MD*	1200	1200	1200	1200	1200
			TD*	2500	2500	2500	2500	2500
		(Psi)	MD*	17000	17000	17000	17000	17000
			TD*	35500	35500	35500	35500	35500
ELONGATION AT BREAK	D-882	%	MD	160	160	160	160	160
			TD	60	60	60	60	60
		Kg/cm ²	MD	18000	18000	18000	18000	18000
			TD	30000	30000	30000	30000	30000
MODULUS OF ELASTICITY	D-882	(KPsi)	MD	255.6	255.6	255.6	255.6	255.6
			TD	426	426	426	426	426
		%	MD	< 5.0				
			TD	< 3.0				
HEAT SEAL INITIATION TEMPERATURE	Internal	°C	105	105	105	105	105	
HEAT SEAL STRENGTH	Internal	gm/25mm	225	275	275	300	325	
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day	1.1	1.0	1.0	1.0	1.0	
		(gm/100in ² /day)	0.07	0.06	0.06	0.06	0.06	
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day	125	110	100	100	100	
		(cc/100in ² /day)	8.0	7.0	6.5	6.5	6.5	

** The film of high O.D. = 2.4 (Min.) is also available.

Ref no QAD UFLI S/14 - MB 2/1

*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