FLEXOPP™ B-MNH

Technical Data Sheet — **(BIAXIALLY ORIENTED POLYPROPYLENE FILM)**

Product Description:

B-MNH is a matt finish film

Sealable Matt film,treated on Glossy side.

Application:

−Reverse printing & lamination

−Book cover lamination

−Paper board lamination

Key Features:

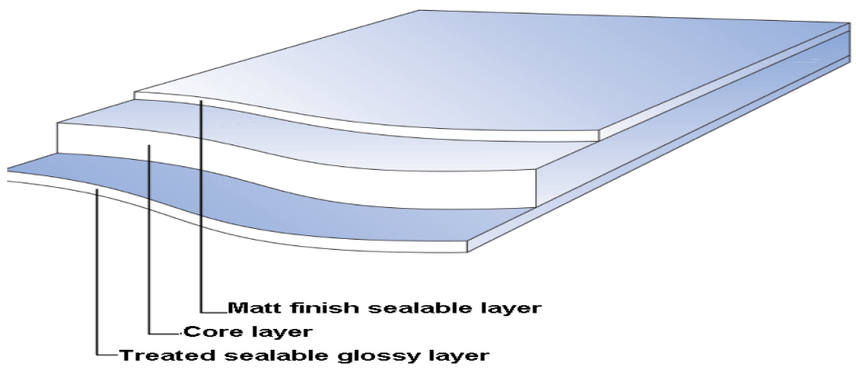
−Excellent Ink adhesion

−Excellent asthetic appeal

−Balance slip & antistatic

−Excellent Matt dispersion

Film Structure



PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES		
				18	20	30
THICKNESS		Internal	Micron	18	20	30
			(Gauge)	72	80	120
FILM DENSITY		D-1505	gm/cc	0.865	0.865	0.865
GRAMMAGE		Internal	gm/m^2	15.57	17.3	25.95
YIELD		Internal	m^2/kg	64.23	57.8	38.54
			in^2/lb	45250	40720	27150
TREATMENT LEVEL		D-2578	dyne/cm	38	38	38
COEFF OF FRICTION	DYNAMIC	D-1894	max	0.30	0.30	0.30
HAZE	(Min.)	D-1003	%	70	70	70
GLOSS at 45°	Matty side			9	9	9
	Glossy side	D-2457	Unit	50	50	50
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm^2	1100	1100	1100
	TD*			2200	2200	2200
	MD*		(KPsi)	15.6	15.6	15.6
	TD*			31.2	31.2	31.2
ELONGATION AT BREAK	MD	D-882	%	170	170	170
	TD			70	70	70
MODULUS OF ELASTICITY	MD	D-882	Kg/cm^2	16000	16000	16000
	TD			27000	27000	27000
	MD		(KPsi)	227.2	227.2	227.2
	TD			383.4	383.4	383.4
LINEAR SHRINKAGE	MD	D-1204	%		<5.0	
(5 Minute at 130^0C)	TD				<3.0	
HEAT SEAL INITIATION TEMPERATURE		Internal	^0C	115	115	115
HEAT SEAL STRENGTH (Min.)		Internal	gm/25mm	250	250	250
W.V.T.R.(38^0C & 90%RH)		F-1249	$gm/m^2/day$	7.8	7.5	6.5
			$(gm/100in^2/day)$	0.5	0.48	0.42
O.T.R. (23^0C & 0%RH)		D-3985	$cc/m^2/day$	1900	1800	1700
			$(cc/100in^2/day)$	122	116	109

Ref no QAD UFLI S/14 - B40/2

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

STORAGE & HANDLING

FLEXOPP™ 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. FLEXOPP™ is best suitable for use up to 3 months from date of dispatch.

FOOD CONTACT

FLEXOPP™ 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