

**Technical Data Sheet**
**(BIAXIALLY ORIENTED POLYPROPYLENE FILM)**
**Product Description:**

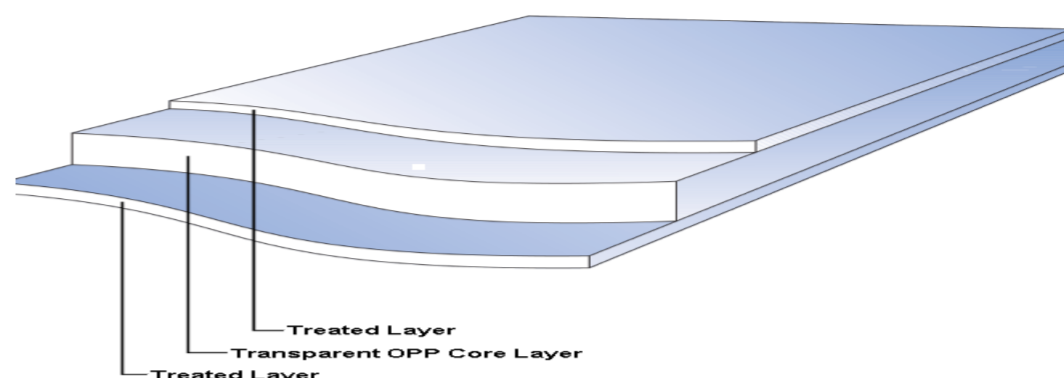
B-TNT is a co extruded non sealable film with both side corona treatment

**Application:**

- Paper and board lamination
- Conversion

**Key Features:**

- Excellent clarity
- Low haze & high gloss
- Good mechanical properties
- Controlled slip & Antistatic

**Film Structure**


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUES							
			9	10	12	15	18	20	25	
THICKNESS	Internal	Micron	9	10	12	15	18	20	25	
		(Gauge)	36	40	48	60	72	80	100	
FILM DENSITY	D-1505	gm/cc	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
GRAMMAGE	Internal	gm/m <sup>2</sup>	8.10	9.00	10.80	13.50	16.20	18.00	22.50	
YIELD	Internal	m <sup>2</sup> /kg	123.46	111.11	92.59	74.07	61.73	55.56	44.44	
		in <sup>2</sup> /lb	86982	78281	65233	52185	43491	39144	31309	
TREATMENT LEVEL	D-2578	dyne/cm	38	38	38	38	38	38	38	
COEFF OF FRICTION	DYNAMIC D-1894	-	0.36	0.36	0.30	0.30	0.30	0.30	0.30	
HAZE	D-1003	%	1.5	1.5	1.6	1.6	1.6	1.6	1.7	
GLOSS	D-2457	Unit	108	108	105	105	105	100	100	
TENSILE STRENGTH AT BREAK	D-882	Kg/cm <sup>2</sup>	MD*	1250	1250	1250	1250	1250	1250	1250
			TD*	2500	2500	2500	2500	2500	2500	2500
		(KPsi)	MD*	17.75	17.75	17.75	17.75	17.75	17.75	17.75
			TD*	35.50	35.50	35.50	35.50	35.50	35.50	35.50
ELONGATION AT BREAK	D-882	%	MD	150	150	180	180	180	180	180
			TD	50	50	60	60	60	60	60
MODULUS OF ELASTICITY	D-882	Kg/cm <sup>2</sup>	MD	18000	18000	18000	18000	18000	18000	18000
			TD	30000	30000	30000	30000	30000	30000	30000
		(KPsi)	MD	255.6	255.6	255.6	255.6	255.6	255.6	255.6
			TD	426.0	426.0	426.0	426.0	426.0	426.0	426.0
LINEAR SHRINKAGE (5 Minute at 130°C)	D-1204	%	MD	<5.0						
			TD	<3.0						
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m <sup>2</sup> /day	7.5	7.5	7.2	7.0	6.8	6.5	6.0	
		(gm/100in <sup>2</sup> /day)	0.5	0.5	0.4	0.4	0.43	0.4	0.39	
O.T.R. (23°C & 0%RH)	D-3985	cc/m <sup>2</sup> /day	2400	2400	2200	2000	1800	1700	1700	
		(cc/100in <sup>2</sup> /day)	155	155	142	129	116	110	110	

Ref no QAD UFLI S/14 - B10/2

\*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](http://www.flexfilm.com)