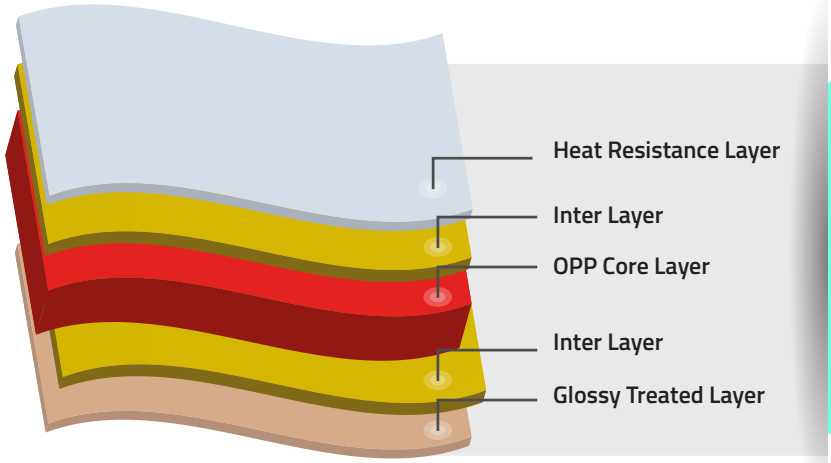
B-THR
High Heat Resistance Transparent BOPP Film

B-THR is a functionally modified BOPP film having one side modified with high heat resistance and other side treated.



FILM STRUCTURE

THE BIG DIFFERENTIATORS

High Heat Resistance
Good heat resistance, that's imperative for stand-up & gusseted pouch applications.

Sustainable & Recyclable Solution
Could substitute reverse printed pet layer to homogenize laminate structure.

Fine Printability
Excellent halftone dot transfer.

Optimized Jaw Release
Enables high speed operation.

Strong Bonds
Improved ink adhesion & stronger lamination bond.

KEY FEATURES:

- High heat resistance (SIT>160° C)
- Good jaw release property
- Good seal finishing In stand up pouch & 3D bags
- Inside/bottom gusseted film will not seal to itself
- Good optics
- Good machinability
- Sustainable recycle solution

APPLICATIONS:

- Stand up pouches
- 3D pouches
- Can replace PET (less OTR sensitive)

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	12	15	18	20
			(Gauge)	48	60	72	80
FILM DENSITY		D-1505	gm/cc	0.91			
GRAMMAGE		Internal	gm/m²	10.9	13.7	16.4	18.2
YIELD		Internal	m²/kg	91.7	73.1	61.1	54.9
			in²/lb	64465	51389	42953	38594
TREATMENT LEVEL		D-2578	dyne/cm	38			
COEFF OF FRICTION	DYNAMIC	D-1894	-	0.30 ± 0.05			
HAZE		D-1003	%	1.6		1.6	
GLOSS (at 45°)		D-2457	Unit	95		95	
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm²	1200			
	TD*			2500			
	MD*		(KPsi)	17.0			
	TD*			35.5			
ELONGATION AT BREAK	MD*	D-882	%	200			
	TD*			60			
LINEAR SHRINKAGE (max) (5 Minutes at 130° C)	MD*	D-1204	%	6.0			
	TD*			3.0			
HEAT SEAL INITIATION TEMPERATURE		Internal	° C	>160			
WATER VAPOUR TRANSMISSION RATE (38° C & 90% RH)		F-1249	gm/m²/day	6.8		6.5	
			(gm/100 in²/day)	0.44		0.42	
OXYGEN TRANSMISSION RATE (23° C & 0% RH)		D-3985	cc/m²/day	1800		1800	
			(cc/100 in²/day)	116		116	

Ref no QAD UFLI S/17 – B 48/2
*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 within 6 months from date of dispatch.

FOOD CONTACT

FLEXOPP™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

DISCLAIMER

**TDS issued on 01-07-2023.All previous version of this grade are invalid.

FlexFilms
Manufacturing Facilities at
India | UAE | Poland | Egypt | Mexico |
USA | Hungary | Russia | Nigeria
enquiry@flexfilm.com
www.flexfilm.com