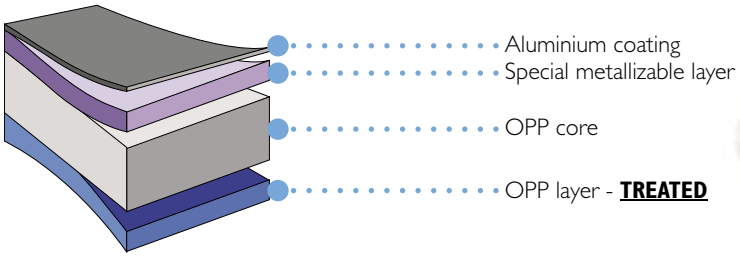
BOPP film

BTKH

"TWO SIDES TREATED" HIGH BARRIER METALLIZED FILM



Description

- One side metallized, one side treated, high barrier bi-oriented polypropylene film

Properties

- Two sides treated
- Improved barrier properties
- Enhanced metal adhesion

Typical Applications

- Specially designed to be used in triplex structure as replacement of Alu-foil or mPET
- Duplex structure printable on metallized side

Safeguards

- Release notes for Vibac Europe films are available on request

Typical values

PROPERTIES		UNITS	TEST METHODS	
Thickness Grammage Yield		microns g/m² m²/Kg	DIN EN ISO 2286 1/2/3	**18** 16.38 61.05
TENSILE PROPERTIES				
Tensile strength	MD	N/mm²	ASTM D882 DIN EN ISO 527-1/3	160
Elongation	MD	%		180
Secant Modulus 100%	MD	N/mm²		110
Elastic Modulus 1%	MD	N/mm²		2100
Tensile strength	TD	N/mm²		280
Elongation	TD	%		60
OPTICAL PROPERTIES				
Optical Density			IOQ 824.18	≥ 2.0
THERMAL STABILITY				
Shrinkage (hot air 130° -5')	MD	%	OPMA TC4a	4
	TD			1
COEFFICIENT OF FRICTION				
OPP layer / OPP layer			ASTM D1894 DIN EN ISO 8295	0.25
OPP layer / Met				0.20
METAL ADHESION		g/cm	IOQ 824.29	>250
PERMEABILITY				
OTR	23°C 0% r.h.	cc/(m² d atm)	ASTM D3985	50
WVTR	37.8°C 100% r.h.	g/(m² d)	ASTM F1249	0.35
WVTR	23°C 85% r.h.	"	DIN 53122	0.07
TREATMENT				
Surface tension (OPP Layer)		dynes/cm	ASTM D2578	38

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LAMINATES' BARRIER: Typical values

100 PE//18 BTKH// 12 PET
OTR= 8 cc/m² d atm
WVTR= 0.3 g/m² d

25 PE//18 BTKH// 40 CT
OTR= 25 cc/m² d atm
WVTR= 0.2 g/m² d

Converting processes, tecnique and operator skill can affect indicated barrier values

Guidelines for storage of OPP film

No special conditions are required for the storage of OPP films but it is recommended that dry conditions below 30°C are employed to minimise any deterioration of surface discharge treatment level.
All OPP films should be allowed to reach operating room temperature for 24 hours before use.
Metallized (OPP) films are well known to age with time and it is recommended that stock should be evaluated for ink adhesion prior to printing and if necessary a primer employed. In case of deterioration of wetting tension level it is recommended that the material is re-treated prior to conversion to optimise adhesion of inks and adhesives.
Polypropylene films characteristics are maintained for 6 months from the date of production except for metallized layer surface tension.

Food contact

Vifan BTKH complies with the requirements of EEC directives and FDA regulation.
Specific documentation and migration test results are available upon request.

The results obtained and above properties refer to average values of laboratory tests on samples of our standard production.
It is understood that this entails no obligation and/or responsability on our part.
Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

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