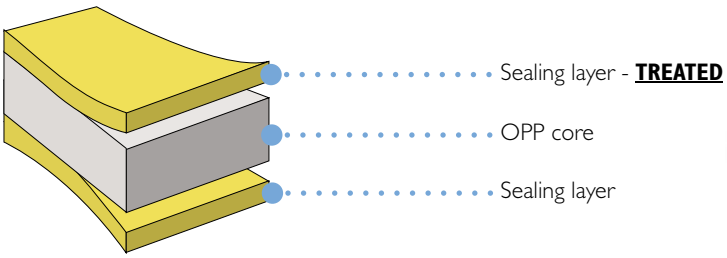
BOPP film

CT

HEAT SEALABLE COEXTRUDED FILM



Description

- Transparent bi-oriented polypropylene film, both sides sealable with a broad sealing range. The seal initiation temperature (S.I.T) is ≈105 °C on the non-treated side

Properties

- High heat-seal strength
- Excellent hot tack
- Good moisture barrier
- Superior optical properties
- Outstanding printing characteristics

Typical Applications

- These film are designed for use in HFFS, VFFS and overwrapping applications either as a single-web (thickness: 25, 30, 35, 40 and 50 µm) or in lamination (thickness: 15 and 20 µm) to itself or to other substrates

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	**15** 13.65 73.26	**20** 18.20 54.95	**25** 22.75 43.96	**30** 27.30 36.63	**35** 31.85 31.40	**40** 36.40 27.47	**50** 45.50 21.98
TENSILE PROPERTIES										
Tensile strength	MD	N/mm²	ASTM D882 DIN EN ISO 527-1/3	170	170	170	170	160	160	150
Elongation	MD	%		210	220	220	230	240	250	250
Secant Modulus 100%	MD	N/mm²		110	110	100	100	100	90	90
Elastic Modulus 1%	MD	N/mm²		1900	1900	1900	1900	1900	1800	1800
Tensile strength	TD	N/mm²		280	280	280	280	270	250	250
Elongation	TD	%		80	80	80	80	85	90	90
OPTICAL PROPERTIES										
Gloss 45°		%	ASTM D2457	85	85	85	85	85	85	85
Haze(1)		%	ASTM D1003	1.6	1.8	1.8	2.0	2.0	2.0	2.0
THERMAL STABILITY										
Shrinkage (hot air 130° -5')	MD	%	OPMA TC4(a)	4						
	TD	%		2						
COEFFICIENT OF FRICTION(2)										
Untr / Untr	dynamic		ASTM D1894 DIN EN ISO 8295	0.30						
Untr / Met	dynamic			0.20						
SEALING										
Sealing threshold	Untr/Untr	°C	OPMA TC4	≈105						
Seal strength 130 °C		g/cm		≥170			≥200			
PERMEABILITY										
OTR	23°C 0% r.h.	cc/ (m² d atm)	ASTM D3985	2200	1900	1600	1300	1100	950	750
WVTR	37.8°C 100% r.h.	g/(m² d)	ASTM F1249	8	6.5	6	5	4	3.5	3
WVTR	23°C 85% r.h.	"	DIN 53122	1.7	1.4	1.3	1	0.9	0.7	0.6
TREATMENT										
Surface tension		dynes/cm	ASTM D2578	38						

(1) Due to additives migration this value is subject to change by ageing depending on storage conditions and thermal history.
(2) After conditioning 24 h at 50 °C

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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.
Polypropylene films characteristics are maintained for 6 months from the date of production except for metallized layer surface tension.

Food contact

Vifan CT 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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