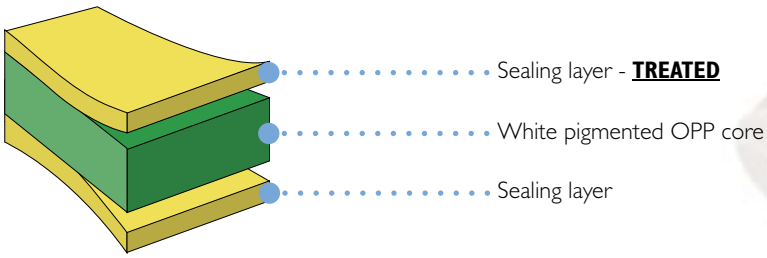
BOPP film

DW

SOLID WHITE, HEAT SEALABLE COEXTRUDED FILM



Description

- White pigmented film, both sides seleable with a broad sealing range. The seal initiation temperature (S.I.T) is ≈ 105 °C on the non-treated side

Properties

- Enhanced opacity
- Outstanding whiteness
- High heat-seal strength
- Good hot tack properties
- Good moisture barrier
- Outstanding printing characteristics (High whiteness improve printing chromatic performance)

Typical Applications

- As single web in VFFS multipack applications
- Laminated structure
- Biscuit overwrapping
- Confectionery

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	**20*** 18.80 53.19	**30** 28.20 35.46	**35** 32.90 30.40	**40*** 37.60 26.60	**50*** 47.00 21.28
TENSILE PROPERTIES								
Tensile strength	MD	N/mm²	ASTM D882 DIN EN ISO 527-1/3	160	150	150	140	140
Elongation	MD	%		200	210	210	200	200
Secant Modulus 100%	MD	N/mm²		95	90	90	80	80
Elastic Modulus 1%	MD	N/mm²		1800	1800	1800	1700	1700
Tensile strength	TD	N/mm²		270	270	270	270	270
Elongation	TD	%		60	60	60	60	60
OPTICAL PROPERTIES								
Gloss 45°		%	ASTM D2457	55	50	50	50	50
Optical Density			IOQ 824.18	0.40	0.45	0.45	0.50	0.55
Opacity		%	"	60	64	64	68	72
Whiteness Index		%	ASTM E313	90	90	90	90	90
THERMAL STABILITY								
Shrinkage (hot air 130° -5')	MD	%	OPMA TC4(a)	4				
	TD	%		1				
COEFFICIENT OF FRICTION								
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		≥ 200				
PERMEABILITY								
OTR	23 °C 0% r.h.	cc/ (m² d atm)	ASTM D3985	2100	1500	1400	1200	1000
WVTR	37.8 °C 100% r.h.	g/(m² d)	ASTM F1249	6.5	5	4	3.5	3.0
WVTR	23 °C 85% r.h.	"	DIN 53122	1.4	1	0.9	0.7	0.6
TREATMENT								
Surface tension		dynes/cm	ASTM D2578	38				

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(*) Thickness available upon request

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 DW 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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