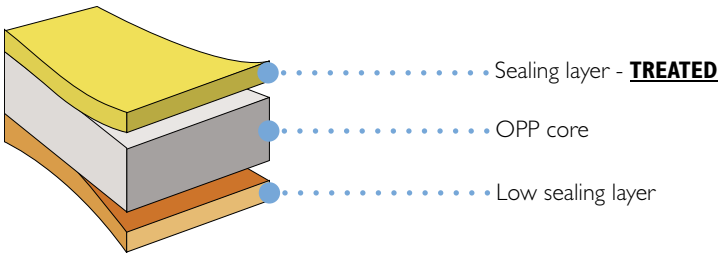
BOPP film

GE

LOW TEMPERATURE HEAT SEALABLE COEXTRUDED FILM



Description

- Transparent bi-oriented polypropylene film, both sides sealable with low heat sealable layer on the non-treated side

Properties

- Low seal initiation temperature
- Good hot tack properties
- Excellent flatness

Typical Applications

- The low seal initiation temperature (95 °C) provides an excellent performance on high-speed HFFS machines
- GE can be used either in unsupported form for packaging low net weight product and/or adhesive lamination
- Excellent slip
- Outstanding printing characteristics

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	**25*** 22.75 43.95	**30** 27.30 36.63
TENSILE PROPERTIES					
Tensile strength	MD	N/mm²	ASTM D882 DIN EN ISO 527-1/3	170	160
Elongation	MD	%		220	230
Secant Modulus 100%	MD	N/mm²		100	95
Elastic Modulus 1%	MD	N/mm²		1900	1900
Tensile strength	TD	N/mm²		290	290
Elongation	TD	%		70	70
OPTICAL PROPERTIES					
Gloss 45°		%	ASTM D2457	85	
Haze(1)		%	ASTM D1003	2.0	
THERMAL STABILITY					
Shrinkage (hot air 130°C - 5')	MD	%	OPMA TC4a	4	
	TD	%		1	
COEFFICIENT OF FRICTION(2)					
Untr / Untr	dynamic		ASTM D1894 DIN EN ISO 8295	0.25	
Untr / Met	dynamic			0.20	
SEALING					
Sealing threshold range	Untr / Untr	°C	OPMA TC4	≈ 95	
Seal strength 130°C		g/cm		≥ 200	
PERMEABILITY					
OTR	23°C 0% r.h.	cc/(m²d atm)	ASTM D3985	1600	1300
WVTR	37.8°C 100% r.h.	g/(m²d)	ASTM F1249	6	5
WVTR	23°C 85% r.h.	″	DIN 53122	1.3	1
TREATMENT					
Surface tension		dymes/cm	ASTM D2578	38	

Ed. 2 - 01.2006

(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

(*) 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 GE 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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