



### Description

- High yield, white cavitated metallized, bi-oriented polypropylene film

### Properties

- Improved resistance to organic solvents and water lacquers
- High yield
- Excellent metal adhesion
- Sparkling appearance
- Excellent cold seal acceptance on non-metallized layer
- Outstanding UV barrier properties

### Typical Applications

- Ice creams wrapping
- Snacks
- Confectionary

### Safeguards

- Release notes for Vibac Europe films are available on request

### Typical values

PROVISIONAL

PROPERTIES		UNITS	TEST METHODS	
Thickness		microns		<b>40</b>
Grammage		g/m <sup>2</sup>	DIN EN ISO 2286	24.00
Yield		m <sup>2</sup> /Kg	1/2/3	41.67
<b>TENSILE PROPERTIES</b>				
Tensile strength	MD	N/mm <sup>2</sup>	ASTM D882 DIN EN ISO 527-1/3	90
Elongation	MD	%		160
Secant Modulus 100%	MD	N/mm <sup>2</sup>		55
Elastic Modulus 1%	MD	N/mm <sup>2</sup>		1100
Tensile strength	TD	N/mm <sup>2</sup>		150
Elongation	TD	%		45
<b>OPTICAL PROPERTIES</b>				
Optical Density			IOQ 824.18	2.3
Opacity		%	"	99.5
Whiteness Index (before metallization)		%	ASTM E313	83
<b>THERMAL STABILITY</b>				
Shrinkage (hot air 130°C - 5')	MD	%	OPMA TC4a	4
	TD	%		1
<b>COEFFICIENT OF FRICTION</b>				
Untr / Untr	dynamic		ASTM D1894	0.45
Untr / Met	dynamic		DIN EN ISO 8295	0.25
<b>SEALING</b>				
Sealing threshold range	Untr / Untr	°C	OPMA TC4	≈ 105
Seal strength	130°C	g/cm		≥ 150
<b>PERMEABILITY</b>				
OTR	23°C 0% r.h.	cc/(m <sup>2</sup> d atm)	ASTM D3985	120
WVTR	37.8°C 100% r.h.	g/(m <sup>2</sup> d)	ASTM F1249	1.0
WVTR	23°C 85% r.h.	"	DIN 53122	0.22

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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.

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

Viban PZN 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 responsibility 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.