

Antifog Heat Sealable Coextruded Film Produced using resins from pyrolysis oil coming from mixed plastic waste

Properties

- ✓ Antifog effect
- ✓ One side printable
- ✓ Good transparency and gloss
- ✓ Phthalates Free

Typical Applications

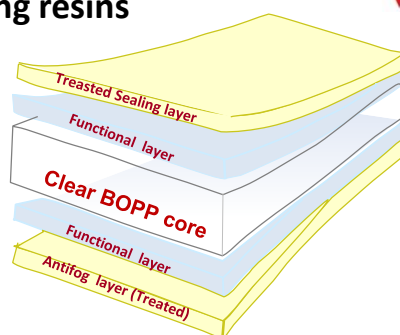
Salad, Fresh products, Cut vegetables

General conditions for application

12 months lasting antifog properties

Ideal shelf temperature of packaging: 4 °C

The end-user must test the film performances in the real conditions to verify the suitability of applications



PROPERTIES		VALUE						UNIT	TEST METHOD
Thickness		18	25	30	35	40	50	micron	DIN EN ISO 2286-1/2/3
Grammage		16,38	22,75	27,30	31,85	36,40	45,50	g/m²	
Yield		61,05	43,96	36,63	31,40	27,47	21,98	m²/kg	
TENSILE PROPERTIES									
Tensile Strength	MD	170	150	150	150	150	140	N/mm²	ASTM D882 DIN EN ISO 527-1/3
	TD	280	250	250	250	250	250	N/mm²	
Elongation	MD	220	220	220	220	220	230	%	
	TD	75	75	75	75	75	75	%	
Secant Modulus 100%	MD	90	90	90	90	90	90	N/mm²	
Elastic Modulus 1%	MD	1800	1800	1800	1800	1800	1800	N/mm²	
OPTICAL PROPERTIES									
Gloss 45°		85						Gloss unit	ASTM D2457
Haze		2,0	2,0	2,0	2,1	2,3	2,5	%	ASTM D1003
THERMAL STABILITY									
Shrinkage (hot air 130°C - 5')	MD	4						%	OPMA TC4a
	TD	1						%	
SEALING PROPERTIES									
Sealing threshold	AF / AF	≈ 125						°C	OPMA TC4b
	NAF / NAF								
Seal strength 130 °C	AF / AF	≥ 180						g/cm	
	NAF / NAF								
COEFFICIENT OF FRICTION									
AF / AF	dynamic	0,25							ASTM D1894 DIN EN ISO 8295-04
AF / Met		0,20							
NAF / NAF		0,25							
NAF / Met		0,20							
PERMEABILITY									
Oxygen Transmission Rate	23°C-0% R.H.	2300	2150	1800	1600	1400	1200	cc/(m² d atm)	ASTM D3985
Water Vapor Transmission Rate	37.8°C-100% R.H.	7,5	7	6,5	6	5	4,5	g/(m² d)	ASTM F1249
	23°C-85% R.H.	1,9	1,5	1,4	1,3	1,1	1	"	DIN 53122
TREATMENT									
Treatment level		38						dyne/cm	ASTM D2578
ANTIFOG PROPERTIES									
Antifog test		D/E							IOQ 824.35

AF = Antifog Side - NAF = No Antifog Sides

Guidelines for storage of OPP film

No special conditions are required for the storage of OPP films, however it is recommended the conditions of temperature 25°C (+/- 5°C) and humidity 50% (+/- 10%) are employed to minimize any deterioration of film properties and surface treatment level. All OPP films should be allowed to reach operation room temperature for 24 hours before use. Films are suitable for use within 6 months from date of delivery

Food contact

Vibac CTGP complies to the requirements of EEC directives and FDA regulations. 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 other responsibility on our part. Customer should verify the suitability of the film for its specific end use, therefore this document will not represent a product specification. Vibac does not guarantee the typical (or other) values. Analysis may be performed on representative samples and not the actual product shipped.