



## Description / Properties

- Coextruded bi-oriented polypropylene film (BOPP), both sides heat sealable, one side treated for printing and one side treated with antifoil effect.
- Antifoil properties for better shelf appearance.

## Applications examples

- Fresh products.
- Vegetables and fruits packaging.
- VFFS and HFFS applications.

TEST		TEST METHOD	UNITS	TYPICAL VALUES					
THICKNESS		ISO 4593	µm	20	25	30	35	40	
GRAMMAGE		CSFL11	g/m <sup>2</sup>	18,2	22,8	27,3	31,9	36,4	
YIELD		CSFL11	m <sup>2</sup> /kg	54,9	43,9	36,6	31,3	27,5	
MECHANICAL PROPERTIES	Tensile Strength	MD	N/mm <sup>2</sup>	140	140	140	140	145	
		TD		310	310	310	310	310	
	Elongation	MD	%	205	205	205	210	210	
		TD	%	57	57	57	55	55	
COEFFICIENT OF FRICTION	Dynamic	I-I	ISO 8295	----					
OPTICAL PROPERTIES	Gloss 45°		ASTM D 2457	%	85	85	85	85	85
	Haze		ASTM D 1003	%	2,6	2,8	2,9	3,0	3,1
PERMEABILITY	WVTR (23°C, 100% H.R.)		ASTM F 1249	g/(m <sup>2</sup> d)	1,9	1,7	1,3	1,1	1,0
	OTR (23°C, 0% H.R.)		DIN 53380	cm <sup>3</sup> /(m <sup>2</sup> d atm)	1820	1470	1210	1080	970
SEALING	S.I.T.	I-I	CSFL 2	°C	≈ 115			≈ 118	
	Seal Strength (130°C)	I-I	CSFL 1	N/15mm	2,2	2,6	2,8	3,0	3,5
THERMAL STABILITY	Shrinkage (120°C, 5min)	MD	CSFL 3	%	5				
		TD		%	3				
TREATMENT	Surface Tension		ASTM D 2578	dynes/cm	≥ 38				

### Storage conditions

The film should be stored in a dry, covered and clean area, away from heat sources and without UV radiation and/or direct sunlight. The storage temperature should be between 15 to 30°C. The film should be allowed to reach the operating room temperature 24 hours before its use. If the above mentioned requirements are fulfilled the film is suitable to be used up to 6 months from the production date.

### Food contact

Suitable for food contact. Specific documentation is available upon request.

The above properties correspond to average values and do not represent a product specification.

The information provided on this technical sheet is based on our current knowledge and experience and is given with good faith. It may vary due to several particular factors which are alien to our knowledge and control and that affect the use of the product (storage, climate, handling, raw-materials, etc.). It is intended to offer to the specialized readers, indications so that they can evaluate the possible applications for this product. The user should always verify the suitability of the film for the specific end-use.