



Description / Properties

- Coextruded bi-oriented polypropylene film (BOPP), one side treated and both sides heat sealable (SIT 105°C).

Applications examples

- General packaging.
- VFFS and HFFS applications.
- Bread, biscuits, snacks, cereals, smoked & processed meats, pasta, dried fruits, vegetables.
- Overwrapping of tea boxes, chocolates.
- Lamination and printing.

TEST		TEST METHOD	UNITS	TYPICAL VALUES										
THICKNESS		ISO 4593	µm	15	18	20	23	25	30	35	40	50	60	
GRAMMAGE		CSFL11	g/m ²	13,6	16,3	18,1	20,9	22,6	27,2	31,7	36,2	45,2	54,3	
YIELD		CSFL11	m ² /kg	73,5	61,3	55,2	47,8	44,2	36,8	31,5	27,6	22,1	18,4	
MECHANICAL PROPERTIES	Tensile Strength	MD	ASTM D 882	N/mm ²	145	145	145	145	145	145	145	140	140	
		TD			300	300	300	300	300	300	300	280	280	
	Elongation	MD		%	200	200	200	205	205	210	210	215	220	220
		TD			57	57	57	57	57	57	57	57	57	57
COEFFICIENT OF FRICTION	Dynamic	U-U	ISO 8295	----	0,25									
OPTICAL PROPERTIES	Gloss 45°		ASTM D 2457	%	85									
	Haze		ASTM D 1003	%	2,0	2,5	2,5	2,6	2,6	2,7	2,8	2,8	2,9	3,0
PERMEABILITY	WVTR (23°C, 100% H.R.)		ASTM F 1249	g/(m ² d)	2,2	2,0	1,8	1,5	1,6	1,2	1,1	1,0	0,7	0,6
	OTR (23°C, 0% H.R.)		DIN 53380	cm ³ /(m ² d atm)	2255	1910	1700	1565	1350	1090	960	850	680	560
SEALING	S.I.T. (150N, 1s, 10mm)	U-U	CSFL 2	°C	≈ 105						≈ 108			
	Seal Strength (130°C, 150N, 1s, 10mm)		U-U	CSFL 1	N/15mm	2,0	2,2	2,2	2,6	2,6	2,8	3,0	3,2	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.