

Transparent BOPP film Heat-sealable High-intensity surface treatment for printing or lamination

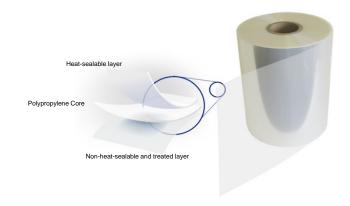


Main Characteristics

- Non-treated side heat-sealable from 115°C;
- Surface treatment on inner or outer layer;
 Excellent optical properties (gloss and transparency).

Typical Applications

Non-food flexible packaging: wrapping and commemorative baskets for gifts, decorative applications in general.



Properties		Methodology	Unit	Range	25TSYCF	35TSYCF	
		Phy	ysical Properties				
				Target	25.0	35.0	
Nominal Thickness		DIN 53370	μm	Min.	23.8	33.3	
				Max.	26.3	36.8	
			Gauge	Target	98.4	137.8	
				Min.	93.5	130.9	
				Max.	103.3	144.7	
Unit Weight		ASTM D 4321	g/m²	Target	22.6	31.7	
				Min.	21.5	30.1	
				Max.	23.8	33.3	
			lb/ream	Target	13.9	19.5	
				Min.	13.2	18.5	
				Max.	14.6	20.4	
Yield		ASTM D 4321	m²/kg	Target	44.2	31.6	
				Min.	42.1	30.1	
				Max.	46.5	33.2	
			in²/lb	Target	31075	22196	
				Min.	29595	21139	
				Max.	32710	23365	
Surface Treatment		ASTM D 2578	dinas/cm	Target	42		
	Т			Min.	38		
			_	Target	0.30		
Coefficient of Friction	NT	ASTM D 1894		Min.	0.18		
Oodmolent of Friction INT		A31W D 1094		Max.	0.45		
		Or	otical Properties	man.			
Haze		ASTM D 1003	%	Target	1.4		
				Max.	2.0		
Gloss (45°)		ASTM D 2457	u.b.	Target	9	5	
				Min.	g	10	
		Mecl	nanical Properties				
	MD				1.	40	
Tensile Strenght	TD	ASTM D 882	N/mm²	Target	270		
	MD		lbf/in²	Target	20305		
	TD					160	
	MD				170	200	
Elongation at Break Shrinkage Sealing Range	TD	ASTM D 882 ASTM D 1204 ASTM F 88	%	Target Target		50	
	MD					3	
	TD					1	
	טו		°C	Target		115 - 130	
	NT		°F	Target		- 130 - 266	
	NT	ASTM F 88	g/25mm or gf/in		600	- 200 700	
Sealing Strenght				Target Min.		00	
			arrier Properties	iviifi.	4		
TPVA 38°C / 90%UR		ASTM F 1249	g H ₂ O / (m².dia)	Target	NA	NA	
WVTR 100°F / 90%RH		ASTM F 1249	g H ₂ O / (100in².day)	Target	NA NA	NA NA	
TPO ₂ 23°C / 0%UR		ASTM P 1249 ASTM D 3985	cm ³ O ₂ / (m ² .dia)		NA NA	NA NA	
				Target	NA NA	NA NA	
OTR 73°F / 0%RH		ASTM D 3985	cm ³ O ₂ / (100in ² .day)	Target	NA	NA	

^{1.} Acronyms:

MD: Machine Direction | TD: Transverse Direction;

NT: Non Treated Layer | T: Treated Layer;

NA: Not Applicable.

^{2.} Additional:

The restrained information in this datasheet represent typical data, and does not constitute genuine warranty liability as far as the product process and or application. In case of doubts or development of other thicknesses or applications, consult your dealer or send e-mail to: contato@polofilms.com.br.

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Food Contact Regulations

SEAL Family films comply with Mercosul, ANVISA, FDA (Food and Drug Administration) and the European Community legislations for applications involving direct contact with food. Full details are provided in the Declaration of Conformity. Customers intending to use SEAL Family films for applications intended to come into contact with food should request a copy of that document from POLO Films. The MSDS (Material Safety Data Sheet), as well as the evaluation of conformity for contact with food from other legislations are also available upon request. Contact your dealer for any questions.

Storage and Transportation Terms & Conditions

All products are stored and transported in dry, covered and clean environments. It is recommended that storage and transportation take place at temperature around 30°C and 60% relative humidity.

- If the temperature and humidity are not as recommended, the following issues may occur:
 Decreased level of surface treatment, leading to printing and/or lamination difficulties;
 Decreased film transparency;
 Too low CoF, making processing and machinability difficult.

BOPP films are recommended to be kept at operating room temperature for 24 hours before use.

Dimensional Specifications / Product Validity

Width	Minimum: 0 mm Maximum: 2 mm (from standard width)		
Outer Diameter*	Minimum: 30 mm Maximum: 20 mm (from standard diameter)		
Core	Minimum: 1 mm Maximum: 1 mm (from standard diameter)		
Splices per roll	Maximum: 2		
% of Splices per order	Maximum: 30%		
Shelf Life (after production)	6 months		

^{*} For other dimensional information, consult your dealer

Polo Films Nomenclature

25TSYCF12

Unit Weight/ Thickness

Expressed in g/m². Used for white/opaque films; Expressed in μ m. Used for transparent, matte and metallized films.

Technology

T - Tenter | C - Cast.

Main Feature

SY - Transparent heat-sealable for printing and/or lamination.

Specialty

CF - Excellent gloss and transparency.

Sealing

- 0 Not Sealable;
- 1 Sealing on the Inner Face;
- 2 Sealing on the Outer Face;
- 3 Sealing on both Sides.

Treatment

- 0 No Treatment;
- 1 Treatment on Inner Face:
- 2 Treatment on Outer Face;
- 3 Treatment on both Sides.