

POLO TSY HTS

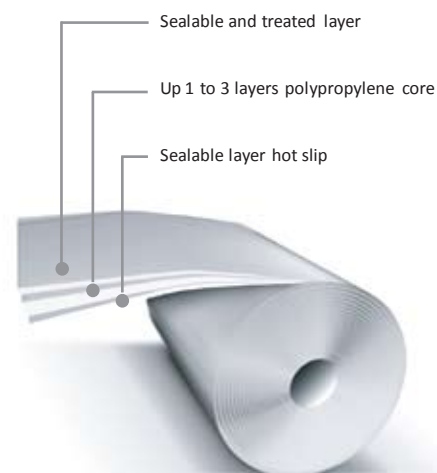
Bi-oriented coex polypropylene film, transparent, heat-sealable with hot slip property

MAIN CHARACTERISTICS

Two-side heat-sealable BOPP film, transparent with hot slip property, one side treated for printing usage both gravure and flexography techniques as well as lamination of excellent performance at VFFS and HFFS machines placed under warmed environment.

APPLICATIONS

Monolayer or laminate structures for flexible packaging of biscuits, snacks, coffee, cereal bars, and general decorative applications that require VFFS and HFFS machines placed under warmed environment.



Characteristics	Methodology	Unit	20 TSY HTS	25 TSY HTS
Thickness	DIN 53370	gauge micron	80 20.0	100 25.0
Unit Weight	ASTM D 4321	lb/ream g/m ²	11.1 18.1	13.9 22.6
Yield	ASTM D 4321	in ² /lb m ² /kg	39000 55.2	31000 44.2
Tensile Strength	MD TD ASTM D 882	lbf/in ² N/mm ² lbf/in ² N/mm ²	20370 140 34920 240	20370 140 34920 240
Elongation at break	MD TD ASTM D 882	%	170 50	170 50
Gloss (45°)	ASTM D 2457	-	90	90
Haze	ASTM D 1003	%	1.6	1.6
Sealing Range	Film/Film Untreated/Untreated ASTM F 88	°C	105 - 130	105 - 130
Sealing Strength	Film/Film Untreated/Untreated ASTM F 88	g/in	450	480
Shrinkage	MD TD ASTM D 1204	%	3 1	3 1
COF	Film/Film Untreated/Untreated ASTM D 1894	-	0.25	0.25
Surface treatment	Internal External ASTM D 2578	Dynes/cm	Absent Min. 38	Absent Min. 38
WVTR	73F/90%RH 38°C/90%RH ASTM F 1249	g H ₂ O/(100in ² .24hs) g H ₂ O/(m ² .day)	0.48 7.5	0.39 6.0
OTR	73F/760 mm Hg 23°C / 1 atm ASTM D 3985	ccO ₂ /(100sqin ² .24hs) cm ³ O ₂ /(m ² .day)	190 2900	150 2300

SUPPLY SPECIFICATIONS

Width	0/+2 mm or 0/+ 0.08 inches from standard width
Outside diameter	- 30 mm or 1.18 inches from standard diameter + 20 mm or 0.8 inches from standard diameter
Core	Core: 153 mm or 6.0 inches / 77 mm or 3.0 inches Tolerance: +1 mm or + 0.04 inches
Number of splice per reel	Maximum 2
Percentage of splices per order	Maximum 30%

"The restrained information in this catalog represent typical data, and does not constitute genuine warranty liability as far as the product process and or application. For new thicknesses or application, please consult a Polo Film's specialist".



Polo Indústria e Comércio Ltda. - Unigel
Phone: + 55 11 3478-5950 / Fax: + 55 11 3478-5999
e-mail: polofilms@polofilms.com.br
site: polofilms.net