

POLO TMT

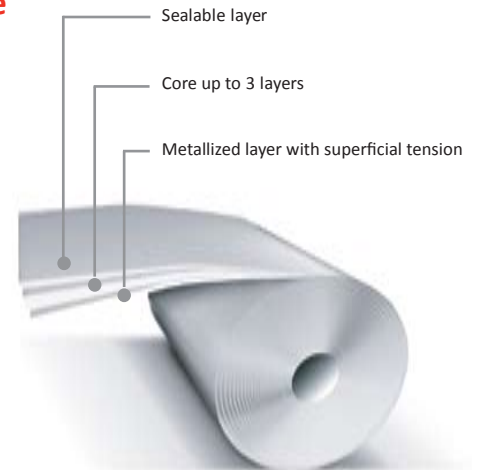
Bi-oriented metallized polypropylene polypropylene film with one face treated for printing and lamination and other heat-sealable.

MAIN CHARACTERISTICS

Metallized BOPP film with one side metallized treated for printing and lamination and other side heat-sealable. May be one or two sides treated.

APPLICATIONS

Monolayer and laminate structures applied for roll label bottles, printing on metallized surface, paper or paper board lamination and general graphics applications.



TYPICAL PROPERTIES

Characteristics		Methodology	Unit	20 TMT	30 TMT
Thickness		DIN 53370	gauge	80	120
			micron	20.0	30.0
Unit Weight		ASTM D 4321	lb/ream	11.1	16.7
			g/m ²	18.1	27.2
Yield		ASTM D 4321	in ² /lb	39000	26000
			m ² /kg	55.2	36.8
Tensile Strength	MD	ASTM D 882	lbf/in ²	20370	20370
			N/mm ²	140	140
	TD		lbf/in ²	34920	34920
			N/mm ²	240	240
Elongation at break	MD	ASTM D 882	%	170	180
	TD			50	60
Sealing Strength	Film/Film	ASTM F 88	g/in	400	400
	Untreated/Untreated				
Shrinkage	MD	ASTM D 1204	%	3	3
	TD			1	1
COF	Film/Film	ASTM D 1894	-	0.35	0.35
	Untreated/Untreated				
Surface treatment	Outer side	ASTM D 2578	Dynes/cm	Absent	Absent
	Inner side (metal side)				
WVTR	73F/90%RH	ASTM F 1249	g H ₂ O/(100 in ² .24hs)	0.03 ⁽¹⁾	0.03 ⁽¹⁾
	38°C/90%RH		g H ₂ O/(m ² .day)	0.40 ⁽¹⁾	0.40 ⁽¹⁾
OTR	73F/760 mm Hg	ASTM D 3985	cc O ₂ /(100 sq in ² .24hs)	5.1 ⁽¹⁾	5.1 ⁽¹⁾
	23°C / 1 atm		cm ³ O ₂ /(m ² .day)	80 ⁽¹⁾	80 ⁽¹⁾

(1)Typical values

(2)Minimum superficial tension guaranteed for 60 days on the metallized side

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".



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