

POLO TPY

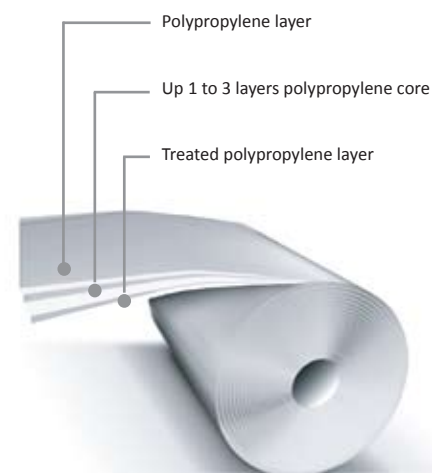
Bi-oriented polypropylene film, transparent, one side treated for printing and lamination

MAIN CHARACTERISTICS

Transparent plain film treated for printing and lamination. May be one or two sides treated.

APPLICATIONS

Monolayer or laminate structures with polypropylene or polyethylene for flexible packaging of biscuits, snacks, coffee, pasta, cereal bars, confectionery, ice-cream, paper or paperboard laminations and general decorative applications.



TYPICAL PROPERTIES

Characteristics		Methodology	Unit	17 TPY	20 TPY	25 TPY	30 TPY	40 TPY
Thickness		DIN 53370	gauge	65.0	80.0	100.0	120.0	160.0
			micron	17.0	20.0	25.0	30.0	40.0
Unit Weight		ASTM D 4321	lb/ream	9.5	11.1	13.9	16.7	22.2
			g/m ²	15.4	18.1	22.6	27.2	36.2
Yield		ASTM D 4321	in ² /lb	45700	38900	31000	25900	19400
			m ² /kg	65.0	55.2	44.2	36.8	27.6
Tensile Strength	MD TD	ASTM D 882	lbf/in ²	20370	20370	20370	20370	20370
			N/mm ²	140	140	140	140	140
			lbf/in ²	36375	36375	36375	36375	36375
			N/mm ²	250	250	250	250	250
Elongation at break	MD TD	ASTM D 882	%	160	160	160	160	160
				60	60	60	60	60
Gloss (45°)		ASTM D 2457	-	95	95	95	95	95
Haze		ASTM D 1003	%	1.3	1.3	1.3	1.3	1.3
Shrinkage	MD TD	ASTM D 1204	%	3	3	3	3	3
				1	1	1	1	1
COF	Film/Film Untreated/Untreated	ASTM D 1894	-	0.35	0.35	0.35	0.35	0.35
Surface treatment	Internal External	ASTM D 2578	Dynes/cm	Absent	Absent	Absent	Absent	Absent
				Min.38	Min.38	Min.38	Min.38	Min.38
WVTR	73F/90%RH 38°C/90%RH	ASTM F 1249	g H ₂ O/(100 in ² .24hs)	0.42	0.39	0.35	0.32	0.32
			g H ₂ O/(m ² .day)	6.5	6.0	5.5	5.0	5.0
OTR	73F/760 mm Hg 23°C / 1 atm	ASTM D 3985	cc O ₂ /(100 sq in ² .24hs)	155	141	129	116	116
			cm ³ O ₂ /(m ² .day)	2400	2200	2000	1800	1800

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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