

POLO TPY HGS

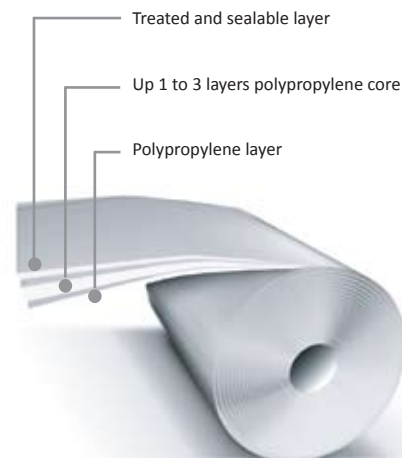
Bi-oriented polypropylene film, transparent, high slip, one side heat sealable and treated for printing and lamination

MAIN CHARACTERISTICS

Transparent film heat-sealable and treated for printing and lamination with high slip, property to be used at VFFS and HFFS machines.

APPLICATIONS

Monolayer for overwrapping biscuits pack, non-printed 3x1 biscuits packs or laminate structures for flexible packaging of biscuits, coffee, pasta, cereal bars, confectionery, ice-cream and general decorative applications.



TYPICAL PROPERTIES

Characteristics	Methodology	Unit	17 TPY HGS	20 TPY HGS	25 TPY HGS	30 TPY HGS	40 TPY HGS
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 ASTM D 882 TD	lb/in ²	20370	20370	20370	20370	20370
		N/mm ²	140	140	140	140	140
		lb/in ²	36375	36375	36375	36375	36375
		N/mm ²	250	250	250	250	250
Elongation at break	MD ASTM D 882 TD	%	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 ASTM D 1204 TD	%	3	3	3	3	3
			1	1	1	1	1
COF	Film/Film Untreated/Untreated ASTM D 1894	-	0.20	0.20	0.20	0.20	0.20
Sealing Strength	Film/Film Treated/Treated ASTM F 88	g/in	400	450	480	500	580
Surface treatment	Internal External ASTM D 2578	Dynes/cm	Absent Min. 38	Absent Min. 38	Absent Min. 38	Absent Min. 38	Absent Min. 38
WVTR	73F/90%RH 38°C/90%RH ASTM F 1249	g H ₂ O/(100in 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	ccO ₂ /(100sqin 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%



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