

Tobacco Overwrap Range

Propafilm™ Range of Biaxially Oriented Polypropylene (BOPP) Films

Shrink Tightening High Speed Films

Description	Film	Thickness		Yield			Permeability to				Sealing range		Optical		Shrinkage	
		micron	gauge	m ² /kg	in ² /lb	g/m ²	H ₂ O (g/m ² /24hrs) (g/100in ² /24hrs) 38°C/100°F 90% RH		O ₂ (cc/m ² /24hrs) (cc/100in ² /24hrs) 23°C/73°F 0% RH		°C/°F 2 sec dwell 0.1MN m ² /15psi		Gloss (units) 20°	Haze (%) 2.5°	MD (%) 60 sec at 120°C (248°F)	TD (%) 60 sec at 120°C (248°F)
							Metric	Imperial	Metric	Imperial	Metric	Imperial				
Improved machinability and vending blocking performance	GLT	18	72	61.0	42900	16.4	6.8	0.44	1800	116	110-	230-	130	1.3	7.0	11.0
		20	80	54.9	38600	18.2	6.0	0.39	1500	97	140	285				
		25	100	44.0	31000	22.7	4.1	0.26	1400	90						
Superior optical performance	GLS	20	80	54.9	38600	18.2	6.0	0.39	1500	97	115-	240-	140	1.0	7.0	11.0
		25	100	44.0	30900	22.7	4.1	0.26	1400	90	140	285				
High yield film	XLT	16	65	66.6	46800	15.0	7.6	0.49	2200	142	110-	230-	135	1.2	7.0	11.0
Printable shrink tightening film	GLP	18	72	61.0	42900	16.4	6.8	0.44	1800	116	110-	230-	130	1.3	7.0	11.0
		20	80	54.9	38600	18.2	6.0	0.39	1500	97	140	285				
		25	100	44.0	31000	22.7	4.1	0.26	1400	90						
Medium shrink tightening films	SLT	20	80	54.9	38600	18.2	6.5	0.42	1700	110	110-	230-	130	1.3	7.0	11.0
Printable shrink tightening film	*ZSD	20	80	54.9	38700	18.2	6.0	0.39	1600	103	120-	248-	100	2.9	8.0	8.0
High Barrier, shrink tightening film	*ZXA	16	65	66.5	46900	15.0	7.6	0.49	1400	90	130-	265-	100	2.9	8.0	8.0
		20	80	54.9	38700	18.2	5.0	0.32								
		25	100	43.9	31000	22.7	4.0	0.26								
Medium Shrink	*ZEA	18	70	61.1	42900	16.4	5.8	0.32	1900	123	120-	248-	130	2.6	8.0	8.0

Standard Films

Improved machinability film	MLT	20	80	54.9	38600	18.2	6.0	0.39	1700	110	110-	230-	130	1.3	5.0	4.0
Printable, high speed film	MTP	20	80	54.9	38600	18.2	5.8	0.37	1600	103	115-	240-	140	1.4	5.0	4.0
Transparent, glossy film	*ZNA	16	65	66.6	46900	15.0	7.8	0.50	2100	135	125-	255-	105	2.5	3.0	1.0
		20	80	54.9	38700	18.2	6.0	0.39								

Clear Collation Films

Clear acrylic coated films - printable	RC	20	80	54.6	38400	18.3	6.5	0.42	950	61	85-	185-	**45° 95	1.0- 2.0	7.0	1.0
		25	100	43.8	30800	22.8	5.5	0.35	850	55	145	295				
		30	120	36.5	25700	27.4	5.0	0.32	750	48						
		40	160	27.4	19350	36.5	4.0	0.26	625	40						
Shrink tightening acrylic coated - printable	SRC	24	95	45.6	32100	21.9	5.4	0.35	750	55	85-	185-	**45° 95	2.0	6.0	9.0
Uncoated clear collation film	NC	23	92	47.8	33600	20.9	5.3	0.34	1650	106	90-	195-	125	1.5	4.5	3.5
		25	100	44.0	30900	22.7	5.0	0.32	1600	103	140 (100- 115 Clear Collation)	285 (100- 115 Clear Collation)				
Shrink uncoated clear collation film	SNC	23	92	47.8	33600	20.9	5.3	0.34	1650	106	90-	195-	125	1.5	6.0	9.0
		25	100	44.0	30900	22.7	5.0	0.32	1600	103	140 (100- 115 Clear Collation)	285 (100- 115 Clear Collation)				
Snap wrap Perforated film	..Z01	..Z01	ALL THE ABOVE CLEAR COLLATION GRADES CAN BE PERFORATED EG. SNCZ01													

*Tenter films

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Tobacco Overwrap Range

Technical Data Sheet

Propafilm™ Range of Biaxially Oriented Polypropylene (BOPP) Films

Inner Liner Films

Description	Film	Thickness		Yield			Permeability to				Sealing range		Optical		Shrinkage	
		micron	gauge	m ² /kg	in ² /lb	g/m ²	H ₂ O (g/m ² /24hrs) (g/100in ² / 24hrs) 38°C/100°F 90% RH		O ₂ (cc/m ² /24hrs) (cc/100in ² / 24hrs) 23°C/73°F 0% RH		(°C/ °F) 2 sec dwell 0.1MN m ² /15psi		Gloss (units) 20°	Haze (%) 2.5°	MD (%) 60 sec at 120°C (248°F)	TD (%) 60 sec at 120°C (248°F)
							Metric	Imperial	Metric	Imperial	Metric	Imperial				
Acrylic coated film - printable	RC	20	80	54.6	38400	18.3	6.5	0.42	950	61	85-	185-	**45°	1.0-	2.0	1.0
		25	100	43.8	30800	22.8	5.5	0.35	850	55	145	295	95	2.0	7.0	
Uncoated low heat- seal threshold film - printable	RLC	20	80	54.9	38600	18.2	8.0	0.52	2500	161	90-	195-	**45°	1.5	6.0	2.5
		25	100	44.0	31000	22.7	6.0	0.39	1800	116	145	295	95			
Uncoated low heat- seal threshold film- printable	ILC	20	-	54.9	-	18.2	8.0	-	2500	-	85-	-	**45°	1.5	6.0	2.5
		25		44.0		22.7	6.0		1800		145		95			

**45° refers to an alternative angle of measurement for gloss, more suitable for this grade.

Pack Wrap and Carton Overwrap

- GLT18/20/25
- GLS20/25
- GLP20/25
- *ZEA18/20
- *ZXA16/20/25
- *ZNA20
- XLT 16
- SLT20
- MLT20
- MTP20
- RC20/25/30

Easy Opening and Clear collation

- SNAP WRAP
- RC20/25/30
- SRC24
- NC23/25
- SNC23/25

All collation films can be perforated

Inner liner

- RLC20/25
- RC20/25
- ILC 20

Printable

- *ZSD20
- MTP20
- GLP20/25

* Tenter films

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