

Delivering Engineered Packaging Solutions

◆ COMPETITIVE ◆ QUALITY ◆ EXPERIENCED ◆ RELIABLE ◆ INNOVATIVE ◆ INTEGRATED

TP OVENABLE FLOW-WRAP FILM - *SOLVENT FREE*

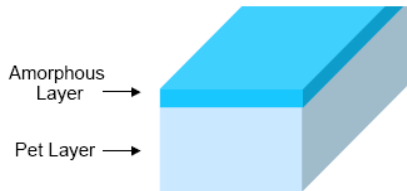
DUAL OVENABLE, REHEATING TRANSPARENT POLYESTER FILM

TP The Ideal Film

- Printable with Corona Treatment

TP Perfect Application

- Suitable for Ovenable, Flow-Wrap applications
- Available in varies gauges



TP Typical Structure

- Ink / TP
- Print Web / Ink / Adhesive / TP

PROPERTIES		METHOD	UNIT	TYPICAL VALUES				
Gauge			.00001"	48	60	80	92	120
Nominal Yield			in ² /lb	41,200	33,000	24,700	21,500	16,500
F-5	MD	ASTM D882	lb/in ²	0	0	0	0	0
	TD			0	0	0	0	0
Tensile Strength at Break	MD	ASTM D882	lb/in ²	37,000	37,000	38,000	39,000	39,000
	TD			36,000	36,000	37,000	37,000	37,000
Young's Modulus	MD	ASTM D882	lb/in ²	69,500	69,800	67,700	67,400	61,300
	TD			69,500	69,600	69,800	70,900	70,200
Elongation at Break	MD	ASTM D882	%	115	120	125	125	125
	TD			120	125	132	137	137
Heat Shrinkage (150°C for 30 minutes)	MD	ASTM D1204	%	2.1	2.0	2.0	1.9	1.6
	TD			0.6	0.9	0.6	1.0	0.2
Heat Shrinkage (190°C)	MD	ASTM D1204	%	0	0	0	0	0
	TD			0	0	0	0	0
Coefficient of Friction	Treated vs. Plain	ASTM D1894	μs μp	0.40	0.30	0.30	0.30	0.30
				0.38	0.26	0.26	0.26	0.26
Gloss				0	0	0	0	0
Haze (1 sheet)		ASTM 1003	%	2.6	3.1	3.4	3.7	5.3
Internal Haze		Toray Method	%	0	0	0	0	0
Surface Tension			dyne	0	0	0	0	0
Surface Roughness			nm	0	0	0	0	0
Surface Roughness			nm	0	0	0	0	0
MVTR - 100°F, 90% RH		ASTM F1249	g/100in ² /day	1.9	1.8	1.6	1.4	1.1
O ₂ Barrier 73°F		ASTM D3985	g/100in ² /day	6.0	5.6	4.9	4.0	3.3
UVT			%	0	0	0	0	0

TP Films comply with US FDA 21.CFR 175.300 for direct food contact.

TP Films are solvent free and are manufactured without the use of solvents.

