

# SPSPET-TPT-F3

**Product Description:**

- \* TPT-F3 is a transparent polyester film
- \* It is one side primer coated other side untreated
- \* Excellent machinability & handling properties

**Key Features:**

- \*Very good transparency & clarity
- \*One side primer coating provide excellent adhesion with inks & adhesives

**Application:**

- \*Conversion
- \*FFS machine
- \*Printing & lamination
- \*Hot fill, Pasteurization, Sterilization & Retort application

Properties	Technical Value									Unit	Test Method
Thickness	8	9	10	12	15	19	23	36	50	Micron	SPS
	32	36	40	48	60	76	92	144	200	Gauge	
Haze	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.5	%	ASTM D-1003
Yield	89.28	79.36	71.42	59.52	47.62	37.59	31.05	19.84	14.28	m <sup>2</sup> /kg	SPS
	62901	55912	50318	41934	33550	26483	21876	13978	10060	in <sup>2</sup> /lb	
Tensile	2000	2000	2000	2000	2000	2000	2000	2000	2000	Kg/cm <sup>2</sup> TD	ASTM D-882
	1900	1900	1900	1900	1900	1900	1900	1750	1750	Kg/cm <sup>2</sup> MD	
	28500	28500	28500	28500	28500	28500	28500	28500	28500	Psi TD	
	27000	27000	27000	27000	27000	27000	27000	25000	25000	Psi MD	
Elongation	80	80	80	85	85	85	90	90	90	% TD	ASTM D-882
	90	90	100	105	105	110	115	120	125	% MD	
Linear Shrinkage (30 Minute at 1500C)					< 1.0					% TD	ASTM D-1204
					< 3.0					% MD	
Density	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	gm/cc	ASTM D-1505
Grammage	11.2	12.6	14.0	16.8	21.0	26.6	32.2	50.4	70.0	gm/m <sup>2</sup>	SPS
Treatment Level (Primer coated side)	42	42	42	42	42	42	42	42	42	dyne/cm	ASTM D-2578
C.O.F (one side to other side)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.40	0.40	-	ASTM D-1894
O.T.R. (23°C & 0%RH)	155	155	155	130	110	90	80	70	45	cc/m <sup>2</sup> /day	ASTM D-3985
	10.1	10.1	10.1	8.5	7.1	5.8	5.2	4.5	2.9	(cc/100in <sup>2</sup> /day)	
W.V.T.R.(38°C & 90%RH)	50	50	50	45	40	35	30	20	16	gm/m <sup>2</sup> /day	ASTM F-1249
	3.2	3.2	3.2	2.9	2.6	2.3	2.0	1.3	1.0	(gm/100in <sup>2</sup> /day)	

