

SPSPET-TPT-F4

Product Description:
TPT-F4 is a transparent polyester film
It is one side chemically primed other side corona treated

Application:
Conversion, Metallization
Printing & lamination
FFS machine

Key Features:
*Very good transparency & clarity
*One side chemical coating provide excellent adhesion with various inks & adhesives
*Outside corona treated for improved bond with outer substrate
*Excellent machinability & handling properties
*Excellent metal adhesion on coated side
*Not suitable for hot filling , sterilization and pasteurization

Properties	Technical Values									Unit	Test Method
	8	9	10	12	15	19	23	36	50	Micron (Gauge)	SPS
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	5.5	6.0	%	ASTM D-1003
Yield	89.28	79.36	71.42	59.52	47.62	37.59	31.05	19.84	14.28	m ² /kg	SPS
	62901	55912	50318	41934	33550	26483	21876	13978	10060	in ² /lb	
Tensile	2000	2000	2000	2000	2000	2000	2000	2000	2000	Kg/cm ² TD	ASTM D-882
	1900	1900	1900	1900	1900	1900	1900	1750	1750	Kg/cm ² 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
	100	100	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	gm/m ²	SPS
Treatment Level (Chemical coated Side) (Corona treated Side)	60	60	60	60	60	60	60	60	60	dyne/cm	ASTM D-2578
	52	52	52	52	52	52	52	52	52		
C. O. F (One side to other side)	0.55	0.55	0.55	0.50	0.50	0.50	0.50	0.45	0.45	-	ASTM D-1894
O.T.R. (230C & 0%RH)	155	155	155	130	110	90	80	70	45	cc/m ² /day	ASTM D-3985
	10.1	10.1	10.1	8.5	7.1	5.8	5.2	4.5	2.9	(cc/100in ² /day)	
W.V.T.R.(3 80C & 90%RH)	50	50	50	45	40	35	30	20	16	gm/m ² /day	ASTM F-1249
	3.2	3.2	3.2	2.9	2.6	2.3	2.0	1.3	1.0	gm/100in ² /day	

