

SPSPET-TPT-F12

Product Description:

TPT-F12 is a transparent polyester film
It is both side untreated or one corona side treated

Application:

Metallic yarn
Synthetic jari(Yarn)
Metallization, Lacquering

Key Features:

- * Excellent clarity & transparency
- *Very High thermal stability
- *Excellent machinability & handling properties
- *High mechanical properties

Properties	Technical Values				Unit	Test Method
Thickness	12	15	23	36	Micron	SPS
	48	60	92	144	Gauge	
Haze	4.0	4.0	4.5	5.0	%	ASTM D-1003
Yield	59.52	47.62	31.05	19.84	m ² /kg	SPS
	41934	33550	21876	13978	in ² /lb	
Tensile	2100	2100	2100	2000	Kg/cm ²	ASTM D-882
	2000	2000	2000	1750	Kg/cm ²	
	30000	30000	30000	28500	(Psi)	
	28500	28500	28500	25000	(Psi)	
Elongation	80	80	90	90	%	ASTM D-882
	100	100	120	120	%	
Linear Shrinkage (5 minute at 190 ⁰ C)	0.5	0.5	0.5	-	%	ASTM D-1204
	4.0	4.0	4.0	-	%	
Linear Shrinkage (30 minute at 150 ⁰ C)	-	-	-	0.5	%	
	-	-	-	2.0	%	
Density	1.4	1.4	1.4	1.4	gm/cc	ASTM D-1505
Grammage	16.8	21	32.2	50.4	gm/m ²	SPS
Treatment Level (Corona treated Side)	52	52	52	52	dyne/cm	ASTM D-2578
C.O.F (Corona treated to plain) (Plain to plain)	0.55	0.55	0.50	0.50	-	ASTM D-1894
	0.50	0.50	0.45	0.45		
OTR (23C, 0%RH)	130	110	80	70	cc/m ² /day	ASTM D-3985
	8.5	7.1	5.2	4.5	(cc/100in ² /day)	
WVTR (38C, 90%RH)	45	40	30	20	gm/m ² /day	ASTM F-1249
	2.9	2.6	2.0	1.3	(gm/100in ² /day)	

