

SEPEHR POLYMER SEPAHAN COMPLEX

Product	Polyethylene Terephthalate film
Grade	SPS-GPET-00

Product Description:

SPS-GPET-00 is a transparent polyester film
It is both side untreated

Application:

Electrical insulation Motor winding, Cable over wrap
Industrial application like electrical insulation tape
High strength yarn application

Key Features:

- *Excellent dielectric properties
- *High break down voltage
- *Excellent machinability & handling properties
- *High electrical receptivity

Properties	Technical value						Unit	Test Method
Thickness	12	15	19	23	36	50	Micron	SPS
	48	60	76	92	144	200	Gauge	
Haze	3.5	4.0	4.5	5.0	6.0	7.0	%	ASTM D-1003
Gloss	115	115	115	110	110	110	-	ASTM D-523
Yield	59.52	47.62	37.59	31.05	19.84	14.28	m ² /Kg	SPS
	41934	33550	26483	21876	13978	10060	In ² /lb	
Tensile	196	196	196	196	196	196	Mpa TD	ASTM D-882
	186	186	186	186	186	186	Mpa MD	
Elongation	85	85	90	90	90	90	% TD	ASTM D-882
	105	105	110	115	120	125	% MD	
Linear Shrinkage (Min) (30 minute at 150°C)	<1.0 <3.0						% TD	ASTM D-1204
							% MD	
Density	1.4	1.4	1.4	1.4	1.4	1.4	gm/cc	ASTM D-1505
Grammage	16.8	21.0	26.6	32.2	50.4	70.0	gm/m ²	SPS
C.O.F (plain to plain)	0.50	0.50	0.50	0.50	0.45	0.45	-	ASTM D-1894
O.T.R.(23°C & 0%RH)	130	110	90	80	70	45	cc/m ² /day	ASTM D-3985
	8.5	7.1	5.8	5.2	4.5	2.9	cc/100in ² /day	
W.V.T.R.(38°C & 90%RH)	45	40	35	30	20	16	gm/m ² /day	ASTM F-1249
	2.9	2.6	2.3	2.0	1.3	1.0	gm/100in ² /day	

This film complies with the food standards. Full detail can be provided on request.

SPS CO film does not guarantee the typical values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. This Information relates only to specific material designated and may not be valid for such material used in combination with any other material or in any process.

SPS CO strongly suggest that before any vast usage, make sure to test our production first.