

## SEPEHR POLYMER SEPAHAN COMPLEX

<b>Product</b>	<b>Polyethylene Terephthalate film</b>
<b>Grade</b>	<b>SPS-GPET-20</b>

### Product Description:

SPS-GPET-20 is a transparent polyester film

It is one side chemical treated & other side untreated

### Applications:

Conversion & Metallization

Printing & lamination

FPS machine

### Key Features:

\*Very good transparency & clarity

\*One side chemical coating provide excellent adhesion with inks & adhesives

\*Excellent machinability & handling properties

\*Improved metal adhesion

Properties	Technical value					Unit	Test Method
Thickness	10	12	23	36	50	Micron	SPS
	40	48	92	144	200	Gauge	
Haze	3.0	4.0	5.0	5.5	6.0	%	ASTM D-1003
Gloss	115	115	110	110	110	-	ASTM D-523
Yield	71.42	59.52	31.05	19.84	14.28	m <sup>2</sup> /Kg	SPS
	50318	41934	21876	13978	10060	In <sup>2</sup> /lb	
Tensile	196	196	196	196	196	Mpa TD	ASTM D-882
	186	186	186	186	186	Mpa MD	
Elongation	80	85	90	90	90	% TD	ASTM D-882
	100	105	115	120	125	% MD	
Linear Shrinkage (Min) (30 minute at 150°C)	<1.0					% TD	ASTM D-1204
						<3.0	
Density	1.4	1.4	1.4	1.4	1.4		
Grammage	14.0	16.8	32.2	50.4	70.0	gm/m <sup>2</sup>	SPS
C.O.F (plain to plain)	0.45	0.45	0.45	0.45	0.45	-	ASTM D-1894
O.T.R.(23°C & 0%RH)	155	130	80	70	45	cc/m <sup>2</sup> /day	ASTM D-3985
	10.1	8.5	5.2	4.5	2.9	cc/100in <sup>2</sup> /day	
W.V.T.R.(38°C & 90%RH)	50	45	30	20	16	gm/m <sup>2</sup> /day	ASTM F-1249
	3.2	2.9	2.0	1.3	1.0	gm/100in <sup>2</sup> /day	
Treatment Level (Primer coated side)	42	42	42	42	42	mN/m	ASTM D-2578

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.