

SEPEHR POLYMER SEPAHAN COMPLEX

Product	Biaxially oriented polypropylene film
Grade	SPS-GPP-10-S1

Product Description:

SPS-GPP-10-S1 is a transparent polypropylene film
It is one side corona treated and one side heat sealable

Application:

General heat seal packaging
One side printing & lamination

Key Features:

- *Excellent clarity & transparency
- *Improved tensile & elongation properties
- *Excellent machinability & handling properties
- *Good sealing strength

Properties	Technical value				Unit	Test Method
Thickness	20	25	30	40	Micron	SPS
	80	100	120	160	Gauge	
Haze	2.5	2.5	3.0	3.5	%	ASTM D-1003
Gloss	85	85	85	85	-	ASTM D-523
Yield	54.94	43.96	36.63	27.47	m ² /Kg	SPS
	38710	30968	25807	19355	In ² /lb	
Tensile	240	245	250	255	Mpa TD	ASTM D-882
	120	125	130	135	Mpa MD	
Elongation	60	60	60	60	% TD	ASTM D-882
	160	160	160	160	% MD	
Linear Shrinkage (Min) (5 minute at 130°C)	<3.0 <5.0				% TD	ASTM D-1204
					% MD	
Density	0.91	0.91	0.91	0.91	gm/cc	ASTM D-1505
Grammage	18.2	22.75	27.3	36.4	gm/m ²	SPS
C.O.F (plain to plain)	0.40	0.40	0.40	0.40	-	ASTM D-1894
Sealing Strength	1.5	1.5	2	2	N/15mm	SPS
Heat Seal Initiation Temperature	120	120	120	120	°C	SPS
O.T.R.(23°C & 0%RH)	1800	1700	1600	1500	cc/m ² /day	ASTM D-3985
	116	110	104	98	cc/100in ² /day	
W.V.T.R.(38°C & 90%RH)	6.5	6	6	5.5	gm/m ² /day	ASTM F-1249
	0.42	0.39	0.39	0.36	gm/100in ² /day	
Treatment Level (Corona treated side)	40	40	40	40	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.