



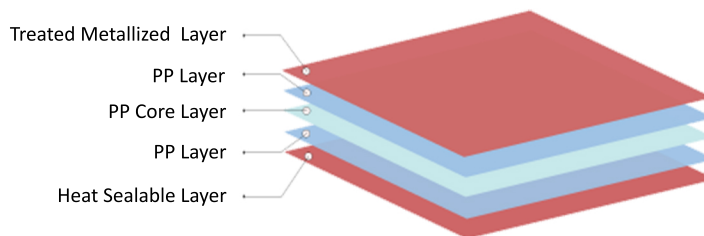
## TECHNICAL DATA SHEET

CPP FILM  
Metallized Heat Sealable  
**APLSZ**

### Key Features

- Good Machinability
- Good Seal Integrity
- Excellent hot tack
- Excellent Barrier Properties

Is a metallized cast polypropylene (MCP) film with one side heat sealable layer and other side metallized treated surface



**Application**  
Printing and Lamination

Properties		Test Method (ASTM)	Unit	Typical Value				
THICKNESS		Internal	Micron	20	25	30	40	50
DEVIATION of AVG FILM THICKNESS			%	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %
FILM DENSITY		D-1505	gm/cc	0.9	0.9	0.9	0.9	0.9
GRAMMAGE		Internal	gm/m <sup>2</sup>	18	22.5	27	36	45
YIELD		Internal	m <sup>2</sup> /kg	55.5	44.4	37.0	27.8	22.2
COEFF OF FRICTION (Film x Metal)	DYNAMIC	D-1894	-	0.45	0.45	0.45	0.50	0.50
OPTICAL DENSITY		-	-	2.2	2.2	2.2	2.2	2.2
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	500	550	550	550	550
	TD*			230	250	250	250	250
	MD*		(Psi)	7,100	7,200	7,200	7,200	7,200
	TD*			3,400	3,400	3,400	3,400	3,400
ELONGATION AT BREAK	MD*	D-882	%	500	550	550	575	600
	TD*			650	700	700	725	750
HEAT SEAL INITIATION TEMPERATURE		INTERNAL	° C	120	120	120	120	120
HEAT SEAL STRENGTH (AT 135 °C)			gm/25mm	1,200	1,200	1,300	1,400	1,500
W.V.T.R.(38°C & 90%RH)		F-1249	gm/m <sup>2</sup> /day	<0.7	<0.7	<0.7	<0.7	<0.7
			(gm/100in <sup>2</sup> /day)	0.045	0.045	0.045	0.045	0.045
O.T.R. (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	<100-110	<100-110	<100-110	<100-110	<100-110
			(cc/100in <sup>2</sup> /day)	6.47- 7.11	6.47- 7.11	6.47- 7.11	6.47- 7.11	6.47- 7.11

\*MD = Machine Direction\*TD = Transverse Direction \*38 dyne/cm guaranteed for 3 months from date of delivery

### Reel Packing Format

Core Size	Outer Reel Dia
3" (76 mm)	< 550 mm
6" (152 mm)	< 650 mm

Min Reel Size	Max Reel Size
400 mm	2200 mm

### Storage

It is recommended to store the film below 30°C in order to avoid deterioration of film properties. It is advisable to use the material on FIFO basis.

### Food Contact

Complies with FDA and EC regulations. MSDS are available on request.

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