

TECHNICAL DATA SHEET

CPP FILM
Metallized
Heat sealable

Product Code : APLSZ

Product Description:

Astro Films APLSZ is a metallized cast polypropylene (MCPPE) film with outside metallized surface and inside heat sealable layer

Key Features:

- Low S.I.T
- Good Seal Integrity
- Good barrier properties
- Excellent hot tack

Application

Lamination & Printing

Properties	Test Method (ASTM)	Unit	Typical Value				
			20	25	30	40	50
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 ²	18	22.5	27	36	45
YIELD	Internal	m ² /kg	55.5	44.4	37.04	27.77	22.22
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*	Kg/cm ²	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*	%	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 ² /day (gm/100in ² /day)	<0.7	<0.7	<0.7	<0.7	<0.7
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day	<100	<100	<100	<100	<100
		(cc/100in ² /day)	<7.11	<7.11	<7.11	<7.11	<7.11

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

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.

Disclaimer

Information contained here is best to our knowledge but limited to the information as specified. No representation or warranty is made regarding the information or its fitness to a particular use. The user is solely responsible for all determinations regarding use and we disclaim liability for any loss or damage that may occur from the use of this information. Astro Films reserves the right to change the technical data sheet at any time for enhancing the Quality of the products without prior information.