

TECHNICAL DATA SHEET

CPP FILM
Transparent
Heat sealable+Corona

Product Code : APL

Product Description:

Astro Films APL is a transparent cast polypropylene (CPP) film with outside heat sealable and one side corona treated

Key Features:

- Good Optics
- Good Machinability
- Good hot tack
- Good Seal Integrity

Application

Printing & 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 ²	18.0	22.5	27.0	36.0	45.0
YIELD		Internal	m ² /kg	55.5	44.4	37.04	27.77	22.22
TREATMENT LEVEL		D-2578	dyne/cm	≥38	≥38	≥38	≥38	≥38
COEFF OF FRICTION (Film x Metal)		DYNAMIC	D-1894	-	0.30	0.30	0.30	0.30
HAZE		D-1003	%	2.0	2.5	3.0	3.5	4.0
GLOSS		D-2457	Unit	125	122	120	115	110
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	500	550	550	550	550
	TD*			210	210	210	210	210
	MD*			7,100	7,100	7,100	7,100	7,100
ELONGATION AT BREAK	TD*	D-882	(Psi)	3,000	3,000	2,800	2,800	2,800
	MD*			500	550	550	575	600
	TD*			600	650	650	675	725
HEAT SEAL INITIATION TEMPERATURE		INTERNAL	° C	125	125	125	125	125
HEAT SEAL STRENGTH (AT 135° C)			gm/25mm	1,200	1,200	1,200	1,200	1,400
W.V.T.R.(380C & 90%RH)		F-1249	gm/m2/day	12	11	10	9	8
			(gm/100in2/day)	0.8	0.7	0.6	0.6	0.5
O.T.R. (230C & 0%RH)		D-3985	cc/m2/day	3,650	3,600	3,550	3,500	3,500
			(cc/100in2/day)	235	230	230	229	225

*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.

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