F-PAP

(BIAXIALLY ORIENTED POLYESTER FILM)

TECHNICAL DATA SHEET

Product Description:

F-PAP is a plain polyester film

It is one side corona treated or both side untreated

Application:

Flexible packaging application

Solvent & water base coating

Key Features:

Very good gloss & clarity
One side corona treatment provides good adhesion with inks
Excellent surface and good handling properties
Excellent mach inability & dimensional stability
Specially designed for FFS machine

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE													
				8	9	10	11	12	15	19	23	30	36	50	55	60	75
THICKNESS		Internal	Micron	8	9	10	11	12	15	19	23	30	36	50	55	60	75
			(Gauge)	32	36	40	44	48	60	76	92	120	144	200	220	240	300
FILM DENSITY		D-1505	gm/cc	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
GRAMMAGE		Internal	gm/m^2	11.2	12.6	14.0	15.4	16.8	21.0	26.6	32.2	42	50.4	70.0	77	84	105
YIELD		Internal	m^2/kg	89.28	79.36	71.42	64.93	59.52	47.62	37.59	31.05	23.8	19.84	14.28	12.98	11.91	9.52
TREATMENT LEVEL #		D-2578	dyne/cm														
Corona treated Side	(Min)			52	52	52	52	52	52	52	52	52	52	52	52	52	52
COEFF OF KINETIC FRICTION	(Max)																
(Corona treated to Untreated Side)		D-1894	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.45
(Untreated to Untreated side)				0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.40	0.40	0.40	0.40	0.40
HAZE	(Max)	D-1003	%	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.5	5.5	6.0	7.0
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm^2	1900	1900	1900	1900	1900	1900	1900	1900	1900	1750	1750	1750	1700	1700
	TD*			2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK	MD*		(Psi)	27000	27000	27000	27000	27000	27000	27000	27000	27000	25000	25000	25000	24200	24200
	TD*			28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD	D-882	%	90	90	100	100	105	105	110	115	120	120	125	125	130	130
	TD			80	80	80	85	85	85	85	90	90	90	90	100	100	100
LINEAR SHRINKAGE (Max.) (30 Minute at 150^0C)	MD	D-1204	%	3.0													
	TD			1.0													
W.V.T.R.(38^0C & 90%RH)		F-1249	$gm/m^2/day$	40	40	40	40	40	35	28	22	15	15	10	10	8	7
			$(gm/100in^2/day)$	2.6	2.6	2.6	2.6	2.6	2.3	1.8	1.4	1.0	1.0	0.6	0.6	0.5	0.5
O.T.R. (23^0C & 0%RH)		D-3985	$cc/m^2/day$	125	125	125	120	100	90	80	70	50	50	40	40	36	32
			$(cc/100in^2/day)$	8.0	8.0	8.0	7.7	6.5	5.8	5.2	4.5	3.2	3.2	2.6	2.6	2.4	2.1

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*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

The inherent surface tension of the untreated side of any Pet film is minimum 42 dy/cm

STORAGE & HANDLING

PET need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35°C in dry place. PET is suitable for use within 9 month from date of manufacturing, only if material is stored in recommended condition.

FOOD CONTACT

PET complies with EC and FDA regulations on packaging for direct contact with foodstuffs.. Specific document and MSDS are available on request.

DISCLAIMER

The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects.Maker Givesno warranty or accept liability for any loss and fitness of the product for any specific purpose.Makerreserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information

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