

Ismail Industries Limited

TECHNICAL DATA SHEET



COMPOSITE BOPP FILM

Product Code :

Product Description

- BOPP Composite is Co-extruded film
- Both side sealable and one side treated.

Application

- Lamination & Printing
- Confectionary Packaging
- Over Wrapping

Key Features

- Good Printability
- Good Barrier Properties
- Consistent Slip
- High Seal Strength
- High Tensile Strength

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUES			
			20	25	30	40
THICKNESS	Internal	Micron (Gauge)	20 80	25 100	30 120	40 160
DEVIATION of AVG FILM THICKNESS		%	± 5 %	± 5 %	± 5 %	± 5 %
FILM DENSITY	D-1505	gm/cc	0.9	0.9	0.9	0.9
GRAMMAGE	Internal	gm/m ²	18	22.5	27	36
YIELD	Internal	m ² /kg	55.5	44.4	37.04	27.77
TREATMENT LEVEL	D-2578	dyne/cm	≥38	≥38	≥38	≥38
COEFF OF FRICTION	DYNAMIC D-1894	-	0.35	0.35	0.35	0.35
HAZE	D-1003	%	1.5	1.5	1.8	2.2
GLOSS	D-2457	Unit	130	130	130	125
TENSILE STRENGTH AT BREAK	MD	Kg/cm ²	1300	1300	1300	1300
	TD		2700	2700	2700	2700
	MD	(Psi)	18500	18500	18500	18500
	TD		38000	38000	38000	38000
ELONGATION AT BREAK	MD	%	190	190	190	190
	TD		60	60	60	60
HEAT SEAL INITIATION TEMPERATURE		°C	115	115	115	115
HEAT SEAL STRENGTH @ 135° C	Internal	gm/25mm	400	400	400	400
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day	6.5	6.0	6.0	5.5
		(gm/100in ² /day)	0.42	0.39	0.39	0.36
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day	1800	1700	1600	1500
		(cc/100in ² /day)	116	110	104	98

Storage: - It is recommended not exposed to sunlight and store below 30°C in order to avoid deterioration of film properties.

Food Contact: - Complies with FDA and EC regulations. MSDS are available on request.

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