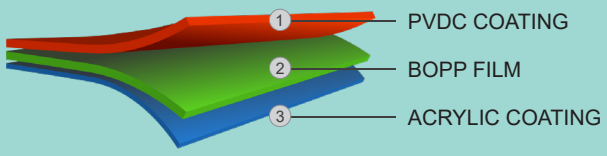
PVDC / ACRYLIC COATED BOPP OPPAPV

PVCD / ACRYLIC COATED BOPP - A one side acrylic coated and another side PVDC coated BOPP film suitable for printing, lamination & pouching applications. This film complies with the FDA and EC regulations for food packaging applications.



FEATURES:
- Outstanding sealing properties with PVDC, wide sealing range
- Consisting machinability on a wide range of packaging machines
- High aroma & moisture barrier properties
- Printable with water based printing inks.

FILM TYPES:
PVDC inside
Acrylic inside

APPLICATIONS:
- Food packaging

PROPERTIES	TEST METHOD	UNIT		21	26	31	37	41	51
Nominal Thickness	Internal	Micron		21	26	31	37	41	51
		Gauge		84	104	124	144	164	204
Grammage	Internal	g/m²		20.5	25.0	29.6	33.2	38.7	48
Yield	Internal	m²/kg		49.0	40.0	33.8	30.1	25.9	20.8
		in²/lb		34,516	28,176	23,809	21,203	18,244	14,652
Haze (Max)	ASTM D 1003	%		2.5	2.5	2.5	2.5	2.8	3.0
Gloss (Min) at 45° Angle	ASTM D 2457	-	Acrylic Side	90	90	90	90	90	90
		-	PVDC Side	95	95	95	95	95	95
Coefficient of Friction (Max)	ASTM D 1894	Kinetic	AC/AC	0.30	0.30	0.30	0.30	0.30	0.30
		Kinetic	PVDC/PVDC	0.40	0.40	0.40	0.40	0.40	0.40
Tensile Strength (Min)	ASTM D 882	kg/cm²	MD	1200	1200	1200	1200	1200	1200
		psi		17,068	17,068	17,068	17,068	17,068	17,068
		kg/cm²	TD	2400	2400	2400	2400	2400	2400
		psi		34,136	34,136	34,136	34,136	34,136	34,136
Elongation (Max)	ASTM D 882	%	MD	180	180	180	180	180	180
			TD	60	60	60	60	60	60
Shrinkage (Max) at 120°C / 5 min	Internal	%	MD	4.0	4.0	4.0	4.0	4.0	4.0
			TD	2.0	2.0	2.0	2.0	2.0	2.0
Heat Seal Range at 2.5 bar, 0.5 sec.	Internal	°C	AC/AC	85 - 145	85 - 145	85 - 145	85 - 145	85 - 145	85 - 145
			PVDC/PVDC	100 - 145	100 - 145	100 - 145	100 - 145	100 - 145	100 - 145
Heat Seal Strength (130°C, 2.5 bar, 0.5 sec)	Internal	g/25mm	AC/AC	400	450	450	450	500	500
Heat Seal Strength (140°C, 2.5 bar, 0.5 sec)	Internal		PVDC/PVDC	500	550	550	550	600	600
Water Vapour Transmission Rate (max) at 38°C, 90% RH	ASTM F 1249	gm/m²/24h		5.0	4.2	3.8	3.5	2.9	2.9
		gm/100 in²/24h		0.32	0.27	0.24	0.22	0.20	0.20
Oxygen Gas Transmission Rate (max) at 23°C, 0% RH	ASTM D 3985	cc/m²/24h		30	30	30	30	30	30
		cc/100 in²/24h		1.93	1.93	1.93	1.93	1.93	1.93

*** MD = Machine Direction * TD= Transverse Direction, Width tolerance –(0)mm, +2 mm**

Next revision latest by Jan. 2023

Storage & Handling:
A storage condition between 22 to 30°C and humidity 55+5% is recommended in order to minimize the deterioration of the film properties in general. It is advisable to turn out the inventory on FIFO basis. The film should be conditioned in the operating environment for at least 24 hours before processing.

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