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**TECHNICAL DATA SHEET
 OPP COATED FILMS**

**CAVITATED WHITE HIGH BARRIER COATED –
 ONE SIDE ACRYLIC OTHER SIDE PVdC**

JS21/28/31/33/38/41/43/48/63/78H2-PAP

STRUCTURAL CONFIGURATION



- PRINTABLE ACRYLIC LAYER
- HIGH ENERGY ADHESION PROMOTING LAYER
- MODIFIED INNER SKIN
- MODIFIED CAVITATED CORE
- MODIFIED INNER SKIN
- HIGH ENERGY ADHESION PROMOTING LAYER
- HIGH BARRIER PVdC LAYER

DESCRIPTION :

Caviated White One Side Acrylic Coated, Other Side High Barrier PVdC Coated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two / Three Ply High Barrier Packaging Structures. The Film Exhibits Excellent Gas, Moisture and Aroma Barrier Properties and Excellent Seal Integrity on Both the Coated Surfaces.

APPLICATIONS :

Single / Two / Three Ply High Barrier Packaging Structures and Wrapping Applications.

SALIENT FEATURES :

- Excellent Gas and Moisture Barrier
- Very Good Aroma Barrier
- Excellent Opacity and Gloss
- Excellent Seal Strength and Hottack
- Excellent Slip and Antistatic Properties
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA												
PROPERTIES	TEST METHOD	UNIT	JS21H2 -PAP	JS28H2 -PAP	JS31H2 -PAP	JS33H2 -PAP	JS38H2 -PAP	JS41H2 -PAP	JS43H2 -PAP	JS48H2 -PAP	JS63H2 -PAP	JS73H2 -PAP
PHYSICAL												
Thickness	ASTM D 374	Micron	21	28	31	33	38	41	43	48	63	78
Grammage	JPFTM	gm/m ²	16.4	21.4	23.6	24.5	28.2	30.4	31.9	33.2	42.9	52.7
Yield	JPFTM	m ² /kg	61.1	46.7	42.4	40.9	35.5	32.9	31.3	30.2	23.3	19.0
SURFACE												
Treatment Level on Acrylic Side (Min)	ASTM D 2578	dyne/cm	41	41	41	41	41	41	41	41	41	41
OPTICAL												
Opacity (Min)	ASTM D 1003	%	70	75	80	80	80	85	85	85	90	90
Gloss – PVdC Side at 45° Angle	ASTM D 2457	-	95	95	95	95	95	95	95	95	95	95
MECHANICAL												
Coefficient of Friction (Max)	ASTM D 1894	Acryl / Acryl	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
		PVdC / PVdC	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/ cm ² MD	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
		TD	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Modulus (Min)	ASTM D 882	kg/ cm ² MD	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
		TD	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000
Elongation (Max)	ASTM D 882	% MD	160	160	160	160	150	150	150	150	150	150
		TD	60	60	60	50	50	50	50	50	50	50
THERMAL												
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
		TD	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Sealing Strength (Min) at 140°C/2 Bar/1 Sec	JPFTM	gms/ 25mm Acryl	450	450	450	450	450	450	475	475	475	475
		PVdC	400	400	400	400	400	400	425	425	425	425
BARRIER												
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h (38°C / 90% RH)	5.5	5.3	5.2	5.0	4.5	4.3	4.0	3.6	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h (23°C / 0% RH)	20	20	20	20	20	20	20	20	20	20

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any responsibility for the fitness of the product for any particular use.