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- HIGH BARRIER PVdC COATED LAYER
- HIGH ENERGY ADHESION PROMOTING LAYER
- MODIFIED TRANSPARENT INNER SKIN
- HIGHLY TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- HIGH ENERGY ADHESION PROMOTING LAYER
- ULTRA LOW SEAL INITIATION TEMPERATURE SKIN LAYER

**TECHNICAL DATA SHEET
 OPP COATED FILMS**

**TRANSPARENT HIGH BARRIER PVdC COATED
 ULTRA LOW HEAT SEAL**

JS18/20/25/30/35/40H1-ULP

STRUCTURAL CONFIGURATION

APPLICATIONS :

TRANSPARENT ONE SIDE HIGH BARRIER PVdC COATED OTHER SIDE ULTRA LOW SEAL INITIATION TEMPERATURE SKIN LAYER FOR SINGLE / TWO PLY HIGH BARRIER LOW SEAL PACKAGING STRUCTURES.

DESCRIPTION :

Transparent, One Side High Barrier PVdC, Other Side Ultra Low Seal Initiation Temperature Coated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two Ply High Barrier Low Seal Packaging Structures. The Film Exhibits Excellent Gas, Moisture and Aroma Barrier Properties. Low Seal Initiation Temperature Side as well as Balanced Slip and Antistatic Properties Make the Film Suitable for Performing Well on High Speed FFS Machines.

SALIENT FEATURES :

- Excellent Gas Barrier Properties
- Very Good Moisture and Aroma Barrier
- Ultra Low Heat Seal Initiation Temperature
- Very Good Seal Strength and Hottack
- High Surface Gloss and Transparency
- Excellent Slip and Antistatic Properties
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA								
PROPERTIES	TEST METHOD	UNIT	JS18H1-ULP	JS20H1-ULP	JS25H1-ULP	JS30H1-ULP	JS35H1-ULP	JS40H1-ULP
PHYSICAL								
Thickness	ASTM D 374	Micron	18	20	25	30	35	40
Grammage	JPFTM	gm/m ²	19.0	21.0	25.5	30.3	34.8	39.4
Yield	JPFTM	m ² /kg	52.6	47.6	39.2	33.0	28.7	25.3
OPTICAL								
Haze (Max)	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45° Angle	ASTM D 2457	-	95	95	95	95	95	95
MECHANICAL								
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm ² MD	1400	1400	1500	1500	1500	1500
		TD	2900	2900	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ² MD	19000	19000	20000	20000	20000	20000
		TD	34000	34000	35000	35000	35000	35000
Elongation (Max)	ASTM D 882	% MD	200	200	200	200	200	200
		TD	60	60	60	60	60	60
THERMAL								
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	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
Seal Initiation Temperature (Max)	JPFTM	°C	95	95	95	95	95	95
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	450	450	450	450	450	450
BARRIER								
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	5.5	5.0	4.5	3.5	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	20	18	16	14	12	10

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.

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION