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TECHNICAL DATA SHEET OPP FILMS

TRANSPARENT ONE SIDE NON HEAT SEALABLE
CORONA TREATED OTHER SIDE HEAT SEALABLE

JS18/20/25/30/35S1

STRUCTURAL CONFIGURATION

- CORONA TREATED NON HEAT SEALABLE SKIN
- MODIFIED TRANSPARENT INNER SKIN
- TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

APPLICATIONS :

TRANSPARENT, ONE SIDE NON HEAT SEALABLE CORONA TREATED OTHER SIDE HEAT SEALABLE FILM FOR SINGLE / TWO PLY PRINTING LAMINATION & BISCUIT INNER WRAP APPLICATION

DESCRIPTION :

Transparent, One Side Heat Sealable, One Side Corona Treated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two Ply Printing Lamination & Biscuit Inner Wrap Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesive during conversion. Both the sides exhibit excellent hot-tack and seal strength.

SALIENT FEATURES :

- Excellent Hot-Tack and Seal Strength on Sealable Side
- High Surface Gloss and Transparency
- Very Good Barrier Properties
- Excellent Slip and Antistatic Properties
- Excellent Surface Treatment Retention
- Excellent Adhesion of Inks and Adhesive on Non Sealable Treated Side
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA							
PROPERTIES	TEST METHOD	UNIT	JS18S1	JS20S1	JS25S1	JS30S1	JS35S1
PHYSICAL							
Thickness	ASTM D 374	Micron	18	20	25	30	35
Grammage	JPFTM	gm/m ²	16.4	18.2	22.7	27.3	31.8
Yield	JPFTM	m ² /kg	60.9	55.0	44.0	36.6	31.4
SURFACE							
Treatment Level (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40
OPTICAL							
Haze (Max)	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45° Angle	ASTM D 2457	-	90	90	90	90	90
MECHANICAL							
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40
		Kinetic	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
		TD	2650	2650	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ² MD	18000	18000	19000	19000	19000
		TD	29000	29000	30000	30000	30000
Elongation (Max)	ASTM D 882	% MD	160	160	150	150	150
		TD	60	60	50	50	50
THERMAL							
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5	3.5
		TD	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	118	118	120	120	120
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	450	450	450	450	450
BARRIER							
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	6.5	6.0	5.0	4.0	3.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	1850	1800	1700	1600	1500

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.