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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 SHEET

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	ASTM D 2578	dyne/cm		38	38	38	38	38
OPTICAL								
Haze	ASTM D 1003	%		1.8	2.0	2.1	2.2	2.2
Gloss at 45° Angle	ASTM D 2457	-		88	88	88	88	88
MECHANICAL								
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic		0.34	0.34	0.34	0.34	0.34
Tensile Strength	ASTM D 882	kg/cm^2	MD	1250	1250	1250	1250	1250
			TD	2700	2700	2700	2700	2700
Modulus	ASTM D 882	kg/cm^2	MD	18000	18000	18000	18000	18000
			TD	28000	28000	28000	28000	28000
Elongation	ASTM D 882	%	MD	200	200	200	200	200
			TD	70	70	70	70	70
THERMAL								
Shrinkage 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	JPFTM	°C		105	105	106	106	107
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm		400	425	475	500	525
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 provided in the Technical Data Sheet are typical performance data and are believed to be accurate. These are given in good faith, but users are advised to conduct their own tests on representative samples and not on the actual product dispatched. JINDAL POLY FILMS LIMITED doesn't guarantee or warranty typical values and fitness for its use for a specific purpose. The user is solely responsible for all determinations by the application of this information or the safety and suitability of our products, either alone or in combination with other products.

Storage & Handling:
It is a fact that dyne level decays over time in BOPP films and the decay is further aggravated with extreme environmental conditions. If film rolls are to be stored for a long time, it is preferable to maintain a constant, preferably low temperature (below 30°C) and a low humidity (below 70% RH) to maximize shelf life of the product & to minimize dyne level decay.

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