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TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT BOTH SIDE HEAT SEALABLE ONE SIDE CORONA TREATED

JS15/18/20/25/30/35/40H1

STRUCTURAL CONFIGURATION

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

APPLICATIONS :

TRANSPARENT, BOTH SIDE HEAT SEALABLE ONE SIDE CORONA TREATED FILM FOR SINGLE / TWO PLY PRINTING LAMINATION APPLICATION

DESCRIPTION :

Transparent, Both Side Heat Sealable, One Side Corona Treated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two Ply Printing Laminate 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 Both Sides
- 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 Treated Side
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	UNIT	JS15H1	JS18H1	JS20H1	JS25H1	JS30H1	JS35H1	JS40H1
PHYSICAL									
Thickness	ASTM D 374	Micron	15	18	20	25	30	35	40
Grammage	JPFTM	gm/m^2	13.7	16.4	18.2	22.7	27.3	31.8	36.4
Yield	JPFTM	m^2/kg	73.0	60.9	55.0	44.0	36.6	31.4	27.4
Surface									
Treatment Level (Min)	ASTM D2578	dyne/cm	40	40	40	40	40	40	40
Optical									
Haze (Max)	ASTM D1003	%	2.0	2.0	2.0	2.0	2.0	2.2	2.2
Gloss (Min) at 45° Angle	ASTM D2457	-	90	90	90	90	90	90	90
MECHANICAL									
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	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	0.38
Tensile Strength (Min)	ASTM D 882	MD kg/cm^2	1300	1300	1300	1300	1300	1300	1300
		TD	2700	2700	2700	2700	2700	2700	2700
Modulus (Min)	ASTM D 882	MD kg/cm^2	18000	18000	18000	18000	18000	18000	18000
		TD	28000	28000	28000	28000	28000	28000	28000
Elongation (Max)	ASTM D 882	MD %	190	190	190	190	190	190	190
		TD	70	70	70	70	70	70	70
THERMAL									
Shrinkage (Max) at 120^0C / 5 min	JPFTM	MD %	4.5	4.5	4.0	3.5	3.5	3.5	3.5
		TD	2.5	2.5	2.0	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	115	115	115	115	115	115	115
Sealing Strength (Min) at 120^0C / 2 Bar / 1 Sec	JPFTM	gms/25mm	400	425	450	475	500	525	550
BARRIER									
Water Vapour Transmission Rate	ASTM E 398	$gm/m^2/24h$	7.0	6.5	6.0	5.0	4.0	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$	2000	1850	1800	1700	1600	1500	1450

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