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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

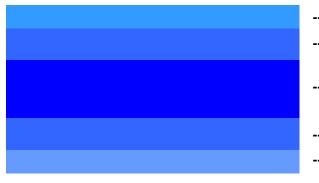
CORONA TREATED NON HEAT SEALABLE SKIN

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

PROPERTIES	TEST	UNII		JS18S1	JS20S1	JS25S1	JS30S1	JS35S1
	METHOD							
PHYSICAL								
Thickness	ASTM D 374	Micron		18	20	25	30	35
Grammage	JPFTM	gm/m²		16.4	18.2	22.7	27.3	31.8
Yield	JPFTM	m²/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
- " a "	ASTM D		MD	1250	1250	1250	1250	1250
Tensile Strength	882	kg/cm ²	TD	2700	2700	2700	2700	2700
Modulus	ASTM D		MD	18000	18000	18000	18000	18000
	882	kg/cm ²	TD	28000	28000	28000	28000	28000
	ASTM D		MD	200	200	200	200	200
Elongation	882	%	TD	70	70	70	70	70
THERMAL								
Shrinkage	JPFTM	%	MD	3.5	3.5	3.5	3.5	3.5
at 120°C / 5 min			TD	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	0C		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/m²/24h		6.5	6.0	5.0	4.0	3.0
Oxygen Gas Transmission Rate	ASTM D	cc/m²/24h						

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.