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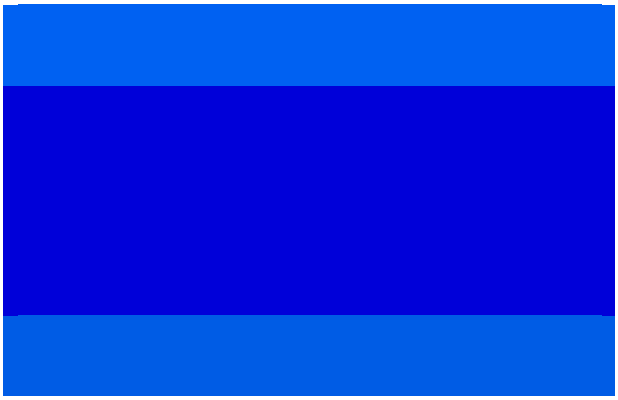
TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT NON HEAT SEALABLE ONE SIDE CORONA TREATED

JS10/12/15/18/20/25/30N1

STRUCTURAL CONFIGURATION



-- **CORONA TREATED SKIN**

-- **TRANSPARENT CORE**

-- **UNTREATED SKIN**

APPLICATIONS :

Reverse Printing and Lamination for Packaging Applications, Lamination of Printed Paper Boards / Posters / Book Covers Etc. This film is also suitable for cold seal application.

DESCRIPTION :

Transparent, Non Heat Sealable, One Side Corona Treated, High Glossy OPP Film with Excellent Clarity, Slip and Antistatic Properties for use in Printing and Lamination Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives.

SALIENT FEATURES :

- High Surface Gloss and Transparency
- Excellent Clarity
- Excellent Surface Treatment Retention
- Excellent Anchorage of Inks and Lamination Adhesive on Treated Side
- Excellent Machinability,
- Very Good Barrier Properties
- Suitable for Various Printing / Lamination Machines

* Available in Inside / Outside Corona Treated, as per the requirement of the customer

TECHNICAL DATA SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS10N1	JS12N1	JS15N1	JS18N1	JS20N1	JS25N1	JS30N1
PHYSICAL									
Thickness	ASTM D 374	Micron	10	12	15	18	20	25	30
Grammage	JPFTM	gm/m^2	9.1	10.9	13.7	16.4	18.2	22.7	27.3
Yield	JPFTM	m^2/kg	109.9	91.7	73.0	60.9	54.9	44.0	36.6
SURFACE									
Treatment Level	ASTM D 2578	dyne/cm	38	38	38	38	38	38	38
OPTICAL									
Haze	ASTM D 1003	%	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Gloss at 45^{0}Angle	ASTM D 2457	-	92	92	92	92	92	92	92
MECHANICAL									
Coefficient of Friction – Max (Untreated / Untreated)	ASTM D 1894	Kinetic	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength	ASTM D 882	kg/cm^2 MD	1300	1300	1300	1300	1300	1300	1300
		kg/cm^2 TD	2800	2800	2800	2800	2800	2800	2800
Modulus	ASTM D 882	kg/cm^2 MD	18000	18000	18000	18000	18000	18000	18000
		kg/cm^2 TD	28000	28000	28000	28000	28000	28000	28000
Elongation	ASTM D 882	% MD	190	190	190	190	190	190	190
		% TD	65	65	65	65	65	65	65
THERMAL									
Shrinkage at 120^{0}C / 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	JPFTM	^{0}C	-	-	-	-	-	-	-
Sealing Strength at 120^{0}C / 2 Bar / 1 Sec	JPFTM	gms/25mm	-	-	-	-	-	-	-
BARRIER									
Water Vapour Transmission Rate	ASTM E 398	gm/m^2/24h	9.0	8.5	7.5	6.5	5.5	4.5	3.0
Oxygen Gas Transmission Rate	ASTMD3985	cc/m^2/24h	2300	2200	2050	1850	1750	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