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TECHNICAL DATA SHEET OPP FILMS

**TRANSPARENT NON HEAT SEALABLE
BOTH SIDE CORONA TREATED**

JS10/12/15/18/20/25/30N2

STRUCTURAL CONFIGURATION



-- CORONA TREATED SKIN

-- TRANSPARENT CORE

-- CORONA TREATED SKIN

APPLICATIONS :

Reverse Printing and Lamination for Packaging Applications, Lamination of Printed Paper Boards / Posters / Book Covers Etc.

DESCRIPTION :

Transparent, Non Heat Sealable, Both Side Corona Treated, High Glossy OPP Film with Excellent Clarity, Slip and Antistatic Properties for use in Printing and Lamination Application. The corona treated sides are 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
- Excellent Machinability
- Very Good Barrier Properties
- Suitable for Various Printing / Lamination Machines

TECHNICAL DATA										
PROPERTIES	TEST METHOD	UNIT	JS10N2	JS12N2	JS15N2	JS18N2	JS20N2	JS25N2	JS30N2	
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 (Min)	ASTM D 2578	dyne/cm	38 / 38	38 / 38	38 / 38	38 / 38	38 / 38	38 / 38	38 / 38	
OPTICAL										
Haze (Max)	ASTM D 1003	%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Gloss (Min) at 45° Angle	ASTM D 2457	-	95	95	95	95	95	95	95	
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	kg/cm ²	MD	1300	1300	1350	1400	1400	1500	1500
			TD	2500	2500	2550	2650	2650	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ²	MD	17000	17000	17500	18000	18000	19000	19000
			TD	28000	28000	28500	29000	29000	30000	30000
Elongation (Max)	ASTM D 882	%	MD	170	170	160	150	150	150	150
			TD	70	70	60	50	50	50	50
THERMAL										
Shrinkage (Max) at 120°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 (Max)	JPFTM	°C	-	-	-	-	-	-	-	
Sealing Strength (Min) at 120°C / 2 Bar	JPFTM	gms/25mm	-	-	-	-	-	-	-	
BARRIER										
Water Vapour Transmission Rate (Max)	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 (Max)	ASTM D 3985	cc/m ² /24h	2300	2200	2050	1850	1750	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.