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# TECHNICAL DATA SHEET OPP FILMS

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

**JS23/24/25/29N1-AT**

## STRUCTURAL CONFIGURATION



-- CORONA TREATED SKIN

-- TRANSPARENT CORE

-- BACK TREATMENT FREE UNTREATED SKIN

## APPLICATIONS :

PRESSURE SENSITIVE ADHESIVE TAPE

## DESCRIPTION :

Transparent, Non Heat Sealable, One Side Corona Treated, High Glossy OPP Film for use in Pressure Sensitive Adhesive Tape Manufacturing Application. The corona treated surface is specifically designed for excellent anchorage of various solvent and water based pressure sensitive adhesive used for self adhesive tape manufacturing. Untreated side is back treatment free, which facilitate the trouble free unwinding of adhesive coated jumbo rolls.

## SALIENT FEATURES :

- High Surface Gloss
- Excellent Surface Treatment Retention
- Excellent Anchorage of Various Pressure Sensitive Adhesives on Treated Side
- Back Treatment Free
- Excellent Machinability,
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA						
PROPERTIES	TEST METHOD	UNIT	JS23N1-AT	JS24N1-AT	JS25N1-AT	JS29N1-AT
<b>PHYSICAL</b>						
Thickness	ASTM D 374	Micron	23	24	25	29
Grammage	JPFTM	gm/m <sup>2</sup>	21.0	21.9	22.8	26.4
Yield	JPFTM	m <sup>2</sup> /kg	47.5	45.5	43.6	37.8
<b>SURFACE</b>						
Treatment Level (Min)	ASTM D 2578	dyne/cm	38	38	38	38
<b>OPTICAL</b>						
Haze (Max)	ASTM D 1003	%	1.5	1.5	1.5	1.5
Gloss (Min) Angle	at 45° ASTM D 2457	-	95	95	95	95
<b>MECHANICAL</b>						
Coefficient of Friction (Max)	ASTM D 1894	Static	0.45	0.45	0.45	0.45
		Kinetic	0.40	0.40	0.40	0.40
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1400	1400	1400	1400
		TD	2500	2500	2500	2500
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	18000	18000	18000	18000
		TD	28000	28000	28000	28000
Elongation (Max)	ASTM D 882	% MD	150	150	150	150
		TD	50	50	50	50
<b>THERMAL</b>						
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5
		TD	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	-	-	-	-
<b>BARRIER</b>						
Water Vapour Transmission Rate	ASTM E 398	gm/m <sup>2</sup> /24h	-	-	-	-
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	-	-	-	-

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.

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