

**HEAD OFFICE :**

Plot No. 2, Sector B1, Local Shopping  
Complex, Vasant Kunj,  
New Delhi - 110070  
Phone No : +91 11 26139256 - 265  
Fax No : +91 11 26125739

**WORKS :**

28 - KM, Stone, Nashik - Igatpuri Road,  
Village : Mundegaon, Maharashtra  
Phone : + 91 2553 229100  
Fax : + 91 2553 229200

**Website : [www.jindalpoly.com](http://www.jindalpoly.com)**

## TECHNICAL DATA SHEET OPP FILMS

**TRANSPARENT NON HEAT  
SEALABLE ONE SIDE CORONA TREATED  
ULTRA CLEAR ULTRA LOW HAZE FILM**

**JS18/20/23/24/25/29/31N1-ULH**

### STRUCTURAL CONFIGURATION



- **ULTRA LOW HAZE CORONA TREATED SKIN**
- **HIGHLY TRANSPARENT CORE**
- **ULTRA LOW HAZE UNTREATED SKIN**

### APPLICATIONS :

- i. ULTRA CLEAR PRESSURE SENSITIVE ADHESIVE TAPE
- ii. ULTRA CLEAR TEXTILE BAGS
- iii. ULTRA CLEAR FILM FOR FLOWER OVER WRAP APPLICATION
- iv. ULTRA CLEAR / ULTRA LOW HAZE BASE FILM FOR HOLOGRAPHY EMBOSsing APPLICATION

### DESCRIPTION :

Transparent, Non Heat Sealable, One Side Corona Treated, High Glossy OPP Film for above mentioned applications, where very high clarity, very low haze and excellent surface gloss are the special requirements. The corona treated surface is specifically designed for excellent anchorage of various solvent and water based pressure sensitive adhesive, various kind of surface printable Inks and holography coatings.

### SALIENT FEATURES :

- Ultra Clear & Ultra Low Haze
- Excellent Surface Gloss
- Excellent Surface Treatment Retention
- Excellent Anchorage to PSA Adhesives, Surface Printable Inks and Holographic Coatings
- Water Clear Holographic Appearance after Embossing
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability
- Back Treatment Free

TECHNICAL DATA									
PROPERTIES	TEST METHOD	UNIT	JS18N1-ULH	JS20N1-ULH	JS23N1-ULH	JS24N1-ULH	JS25N1-ULH	JS29N1-ULH	JS31N1-ULH
<b>PHYSICAL</b>									
Thickness	ASTM D 374	Micron	18	20	23	24	25	29	31
Grammage	JPFTM	gm/m <sup>2</sup>	16.4	18.2	21.0	21.9	22.8	26.4	28.2
Yield	JPFTM	m <sup>2</sup> /kg	60.9	55.0	47.5	45.5	43.6	37.8	35.4
<b>SURFACE</b>									
Treatment Level (Min)	ASTM D 2578	dyne/cm	38	38	38	38	38	38	38
<b>OPTICAL</b>									
Haze (Max)	ASTM D 1003	%	0.5	0.5	0.6	0.6	0.6	0.6	0.6
Gloss (Min) at 45° Angle	ASTM D 2457	-	98	98	97	97	97	97	97
<b>MECHANICAL</b>									
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.45	0.45	0.45	0.45	0.45
		Kinetic	0.38	0.38	0.40	0.40	0.40	0.40	0.40
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1400	1400	1400	1400	1400	1400	1400
		TD	2500	2500	2500	2500	2500	2500	2500
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	18000	18000	18000	18000	18000	18000	18000
		TD	28000	28000	28000	28000	28000	28000	28000
Elongation (Max)	ASTM D 882	% MD	150	150	150	150	150	150	150
		TD	50	50	50	50	50	50	50
<b>THERMAL</b>									
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5	3.5	3.5	3.5
		TD	1.5	1.5	1.5	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	6.5	6.0	-	-	-	-	-
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1850	1800	-	-	-	-	-

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.