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## TECHNICAL DATA SHEET OPP FILMS

TRANSPARENT NON HEAT SEALABLE ONE  
SIDE CORONA TREATED LOW HAZE

JS18/20/25/30/35N1-LH

### STRUCTURAL CONFIGURATION



- LOW HAZE CORONA TREATED SKIN
- LOW HAZE TRANSPARENT INNER SKIN
- HIGHLY TRANSPARENT CORE
- LOW HAZE TRANSPARENT INNER SKIN
- LOW HAZE UNTREATED SKIN

### APPLICATIONS :

LOW HAZE BASE FILM FOR HOLOGRAPHY EMBOSSING APPLICATION

### DESCRIPTION :

Transparent, Low Haze, Non Heat Sealable, One Side Corona Treated OPP Base Film for Holography Embossing Application. The corona treated side is specifically designed for excellent adhesion of holographic coating. Because of very low haze of the film, water clear holographic appearance exhibited by the film after embossing.

### SALIENT FEATURES :

- Low Haze
- Excellent Surface Gloss and Transparency
- Excellent Surface Treatment Retention
- Excellent Adhesion of Holographic Coating on Treated Side
- Water Clear Holographic Appearance after Embossing
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA							
PROPERTIES	TEST METHOD	UNIT	JS18N1-LH	JS20N1-LH	JS25N1-LH	JS30N1-LH	JS35N1-LH
<b>PHYSICAL</b>							
Thickness	ASTM D 374	Micron	18	20	25	30	35
Grammage	JPFTM	gm/m <sup>2</sup>	16.4	18.2	22.7	27.3	31.8
Yield	JPFTM	m <sup>2</sup> /kg	60.9	55.0	44.0	36.6	31.4
<b>SURFACE</b>							
Treatment Level (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40
<b>OPTICAL</b>							
Haze (Max)	ASTM D 1003	%	0.8	0.8	0.8	0.9	0.9
Gloss (Min) at 45° Angle	ASTM D 2457	-	98	98	98	98	98
<b>MECHANICAL</b>							
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1400	1400	1500	1500	1500
		TD	2650	2650	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	18000	18000	19000	19000	18000
		TD	29000	29000	30000	30000	28000
Elongation (Max)	ASTM D 882	% MD	150	150	150	150	150
		TD	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
		TD	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	5.0	4.0	3.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1850	1800	1700	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.