

## HEAD OFFICE :

Plot No. 12, 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)



- CORONA TREATED SKIN
- MODIFIED TRANSPARENT INNER SKIN
- TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- UNTREATED HIGH SEAL INTEGRITY SKIN

# TECHNICAL DATA SHEET OPP FILMS

TRANSPARENT ONE SIDE HIGH SEAL INTEGRITY  
OTHER SIDE CORONA TREATED

**JS25/30/35/40/50SP1**

## STRUCTURAL CONFIGURATION

## APPLICATIONS :

TRANSPARENT HIGH SEAL INTEGRITY FILM FOR BAGS USED FOR HEAVIER ITEMS

## DESCRIPTION :

Transparent, One Side Corona Treated Other Side Specially Designed for High Seal Integrity OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Bags Used for Packing of Heavier Items. The corona treated side is specifically designed for excellent adhesion of inks during conversion.

## SALIENT FEATURES :

- Excellent Seal Integrity
- High Surface Gloss and Transparency
- Very Good Barrier Properties
- Excellent Slip and Antistatic Properties
- Excellent Surface Treatment Retention
- Excellent Adhesion of Inks and Adhesive on Non Sealable Treated Side
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA							
PROPERTIES	TEST METHOD	UNIT	JS25SP1	JS30SP1	JS35SP1	JS40SP1	JS50SP1
<b>PHYSICAL</b>							
Thickness	ASTM D 374	Micron	25	30	35	40	50
Grammage	JPFTM	gm/m <sup>2</sup>	22.7	27.3	31.8	36.4	45.5
Yield	JPFTM	m <sup>2</sup> /kg	44.0	36.6	31.4	27.4	21.9
<b>SURFACE</b>							
Treatment Level (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40
<b>OPTICAL</b>							
Haze (Max)	ASTM D 1003	%	1.2	1.2	1.2	1.2	1.2
Gloss (Min) at 45° Angle	ASTM D 2457	-	90	90	90	90	90
<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	1500	1500	1500	1500	1500
		TD	3000	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	19000	19000	19000	19000	19000
		TD	30000	30000	30000	30000	30000
Elongation (Max)	ASTM D 882	% MD	160	160	150	150	150
		TD	60	60	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	105	105	105	105	105
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	1200	1200	1200	1200	1200
<b>BARRIER</b>							
Water Vapour Transmission Rate	ASTM E 398	gm/m <sup>2</sup> /24h	5.0	4.5	4.0	3.5	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1700	1600	1500	1450	1400

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.

