

# ROLL POLYMER

PRODUCER OF WIDE  
VARIETY OF POLYETHYLENE



## TECHNICAL DATA SHEET OPP FILMS

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

**JS18/20/25/30/35/40/50H1**

### STRUCTURAL CONFIGURATION



- CORONA TREATED HEAT SEALABLE SKIN
- MODIFIED TRANSPARENT INNER SKIN
- TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

### APPLICATIONS :

TRANSPARENT, BOTH SIDE HEAT SEALABLE ONE SIDE CORONA TREATED FILM FOR SINGLE / TWO PLY PRINTING LAMINATION APPLICATION

### DESCRIPTION :

Transparent, Both Side Heat Sealable, One Side Corona Treated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two Ply Printing Laminate Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesive during conversion. Both the sides exhibit excellent hot-tack and seal strength.

### SALIENT FEATURES :

- ÷ Excellent Hot-Tack and Seal Strength on Both Sides
- ÷ 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 Treated Side
- ÷ Excellent Machinability
- ÷ Excellent Mechanical Properties
- ÷ Excellent Dimensional Stability

TECHNICAL DATA									
PROPERTIES	TEST METHOD	UNIT	JS18H1	JS20H1	JS25H1	JS30H1	JS35H1	JS40H1	JS50H1
<b>PHYSICAL</b>									
Thickness	ASTM D 374	Micron	18	20	25	30	35	40	50
Grammage	JPFTM	gm/m <sup>2</sup>	16.4	18.2	22.7	27.3	31.8	36.4	45.5
Yield	JPFTM	m <sup>2</sup> /kg	60.9	55.0	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	40	40
<b>OPTICAL</b>									
Haze (Max)	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45° Angle	ASTM D 2457	-	90	90	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	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 <sup>2</sup>	MD	1400	1400	1500	1500	1500	1500
			TD	2900	2900	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup>	MD	19000	19000	20000	20000	20000	20000
			TD	34000	34000	35000	35000	35000	35000
Elongation (Max)	ASTM D 882	%	MD	160	160	150	150	150	150
			TD	60	60	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
			TD	1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	118	118	120	120	120	120	120
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	450	450	450	450	450	450	450
<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	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1850	1800	1700	1600	1500	1500	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.