

### 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

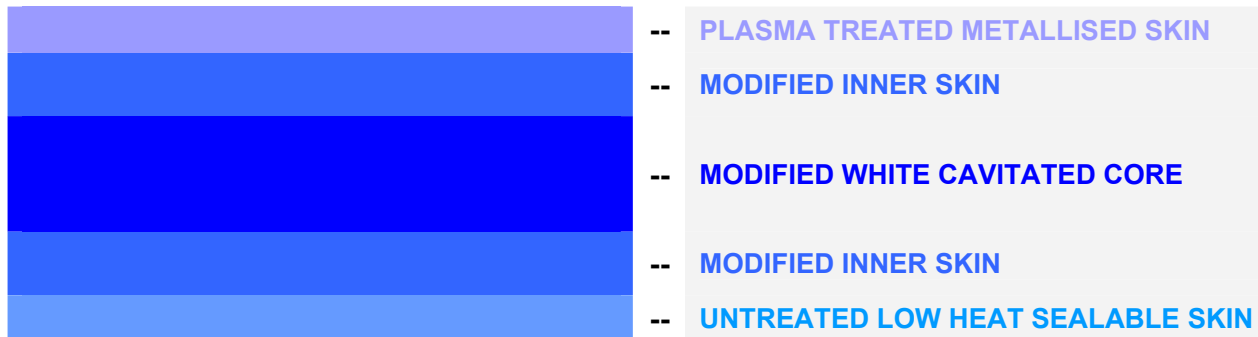
Website : [www.jindalpoly.com](http://www.jindalpoly.com)

## TECHNICAL DATA SHEET OPP FILMS

**WHITE CAVITATED ONE SIDE ETALLISED  
OTHER SIDE HEAT SEALABLE**

**JS25/30/35/38/40/50H1-PLD**

### STRUCTURAL CONFIGURATION



### APPLICATIONS :

WHITE CAVITATED HEAT SEALABLE METALLISED FILM FOR SINGLE / TWO PLY PRINTING LAMINATION APPLICATION (FOR ICE CREAM PACKAGING, LABELS, HIGH VALUE FOOD PACKAGING ETC.)

### DESCRIPTION :

White Cavitated One Side Metallised, Other Side Heat Sealable OPP Film for use in Single / Two Ply Packaging Structure. The film exhibits very good water vapour and gas barrier properties. During metallisation process film is treated with plasma for improving metal adhesion and barrier properties. Metallised side is specifically designed for excellent surface treatment retention behaviour as well as very good anchorage with Inks and lamination adhesives. The untreated heat sealable side exhibits excellent hot-tack and seal strength.

### SALIENT FEATURES :

- Excellent Opacity
- One Side Brilliant Pearlicent White Appearance and Other Side Brilliant Metallic Lustre
- High Water Vapour and Gas Barrier Properties
- Very High Surface Gloss
- Low Seal Initiation Temperature
- Excellent Hot Tack and Heat Seal Strength
- Excellent Surface Treatment Retention on Metallised Side
- Excellent Anchorage of Inks and Lamination Adhesive on Metallised Side
- Excellent Machinability
- Suitable for Various Printing / Lamination Machines

TECHNICAL DATA								
PROPERTIES	TEST METHOD	UNIT	JS25H1-PLD	JS30H1-PLD	JS35H1-PLD	JS38H1-PLD	JS40H1-PLD	JS50H1-PLD
<b>PHYSICAL</b>								
Thickness	ASTM D 374	Micron	25	30	35	38	40	50
Grammage	JPFTM	gm/m <sup>2</sup>	17.5	21.0	24.5	26.6	28.0	35.0
Yield	JPFTM	m <sup>2</sup> /kg	57.1	47.6	40.8	37.6	35.5	28.5
<b>SURFACE</b>								
Treatment Level – Metallised Side (Min)	ASTM D 2578	dyne/cm	38	38	38	38	38	38
<b>OPTICAL</b>								
Opacity (Min)	CIE	%	80	85	90	90	95	95
Optical Density (Min)	-	-	2.4	2.5	2.6	2.6	2.8	2.8
Gloss (Min) at 45° Angle	ASTM D 2457	-	55	55	55	50	50	50
<b>MECHANICAL</b>								
Coefficient of Friction (Max)	ASTM D 1894	Static	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
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1000	1000	1000	1000	1000	1000
		TD	2000	2000	2000	2000	2000	2000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	15000	15000	15000	15000	15000	15000
		TD	25000	25000	25000	25000	25000	25000
Elongation (Max)	ASTM D 882	% MD	160	160	160	150	150	150
		TD	60	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	3.5
		TD	1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	110	110	110	110	110	110
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	400	400	400	400	400	400
<b>BARRIER</b>								
Water Vapour Transmission Rate	ASTM E 398	gm/m <sup>2</sup> /24h	0.40	0.35	0.30	0.27	0.25	0.15
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	70	65	60	57	55	45

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 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.