

**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

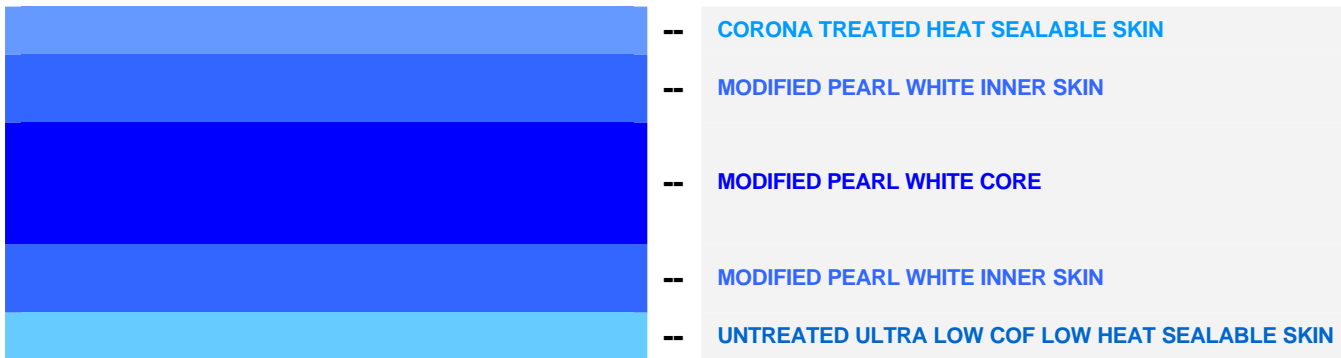
**Website : [www.jindalpoly.com](http://www.jindalpoly.com)**

**TECHNICAL DATA SHEET  
 OPP FILMS**

**PEARL WHITE ULTRA LOW COF LOW HEAT SEALABLE ONE SIDE CORONA TREATED**

**JS25/30/35/40/45/50H1-PLC**

**STRUCTURAL CONFIGURATION**



**APPLICATIONS :**

PEARL WHITE LOW HEAT SEALABLE ULTRA LOW COF ONE SIDE CORONA TREATED FILM FOR VERY HIGH SPEED CONFECTIONARY PACKING APPLICATION. ALSO VERY USEFUL FOR OTHER SINGLE / TWO PLY HIGH SPEED PRINTING, LAMINATION & POUCHING APPLICATIONS.

**DESCRIPTION :**

Pearl White, Low Heat Sealable, Ultra Low COF, One Side Corona Treated OPP Film with Very Good Barrier, Outstanding Slip and Antistatic Properties for use in Single / Two Ply Printing Lamination Application, Specifically for High Speed Confectionary Packaging Application. Ultra Low COF untreated side facilitate the smooth running of film on confectionary packaging machine at minimum speed of 1200 packs/min. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives. Untreated side exhibits Ultra Low COF, low seal initiation temperature, excellent hot tack and seal strength.

**SALIENT FEATURES :**

- Ultra Low COF Low Heat Seal Untreated Side
- Excellent Opacity
- Low Seal Initiation Temperature
- Excellent Hot Tack and Heat Seal Strength
- Brilliant Pearlicent White Appearance
- Very Good Barrier Properties
- High Surface Gloss
- Excellent Surface Treatment Retention
- Excellent Anchorage of Inks and Lamination Adhesive on Treated Side
- Excellent Machinability
- Suitable for Various Printing / Lamination Machines

\*Available in Inside / Outside Corona Treated, as per the requirement of the customer

# TECHNICAL DATA SHEET

TECHNICAL DATA								
PROPERTIES	TEST METHOD	UNIT	JS25H1-PLC	JS30H1-PLC	JS35H1-PLC	JS40H1-PLC	JS45H1-PLC	JS50H1-PLC
<b>PHYSICAL</b>								
Thickness	ASTM D 374	Micron	25	30	35	40	45	50
Grammage	JPFTM	gm/m <sup>2</sup>	17.5	21.0	24.5	28.0	31.5	35.0
Yield	JPFTM	m <sup>2</sup> /kg	57.1	47.6	40.8	35.5	31.7	28.5
<b>SURFACE</b>								
Treatment Level (Min)	ASTM D 2578	dyne/cm	38	38	38	38	38	38
<b>OPTICAL</b>								
Transmittance (Max)	ASTM D 1003	%	38	35	30	30	25	25
Opacity	CIE	%	75	80	80	85	85	90
Gloss (Min) at 45° Angle	ASTM D 2457	-	55	55	55	50	50	50
<b>MECHANICAL</b>								
Coefficient of Friction (Max) – Untreated Side	ASTM D 1894	Static	0.30	0.30	0.30	0.30	0.30	0.30
		Kinetic	0.25	0.25	0.25	0.25	0.25	0.25
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 – Untreated Side (Max)	JPFTM	°C	105	105	105	105	105	105
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	5.5	5.0	4.0	3.5	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1800	1650	1550	1400	1250	1100

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.