

**HEAD OFFICE :**

Plot No. 12, Sector B1, Local Shopping Complex,  
 Vasant Kunj,  
 New Delhi : 110070, INDIA  
 Phone No : +91 11 26139256 - 265  
 Fax No : +91 11 26125739

**WORKS :**

28 - KM, Stone, Nashik - Igatpuri Road,  
 Village : Mundegaon, Taluk : Igatpuri,  
 Dist : Nashik, Pin : 422403  
 Maharashtra, INDIA  
 Phone : + 91 2553 229100  
 Fax : + 91 2553 229200

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



- PRINTABLE ACRYLIC LAYER
- HIGH ENERGY ADHESION PROMOTING LAYER
- MODIFIED TRANSPARENT INNER SKIN
- HIGHLY TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- HIGH ENERGY ADHESION PROMOTING LAYER
- HIGH BARRIER PVdC LAYER

**TECHNICAL DATA SHEET  
 OPP COATED FILMS**

**TRANSPARENT HIGH BARRIER COATED –  
 ONE SIDE ACRYLIC OTHER SIDE PVdC**

**JS21/26/31/36/41/46/51H2-AP**

**STRUCTURAL CONFIGURATION**

**DESCRIPTION :**

Transparent, One Side Acrylic Coated, Other Side High Barrier PVdC Coated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two / Three Ply High Barrier Packaging Structures. The Film Exhibits Excellent Gas, Moisture and Aroma Barrier Properties and Excellent Seal Integrity on Both the Coated Surfaces.

**APPLICATIONS :**

Single / Two / Three Ply High Barrier Packaging Structures and Wrapping Applications.

**SALIENT FEATURES :**

- Excellent Gas and Moisture Barrier
- Very Good Aroma Barrier
- Excellent Clarity and Gloss
- Excellent Seal Strength and Hottack
- Excellent Slip and Antistatic Properties
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA									
PROPERTIES	TEST METHOD	UNIT	JS21H2-AP	JS26H2-AP	JS31H2-AP	JS36H2-AP	JS41H2-AP	JS46H2-AP	JS51H2-AP
<b>PHYSICAL</b>									
Thickness	ASTM D 374	Micron	21	26	31	36	41	46	51
Grammage	JPFTM	gm/m <sup>2</sup>	19.8	24.3	28.9	33.5	38.3	42.9	47.6
Yield	JPFTM	m <sup>2</sup> /kg	50.6	41.1	34.6	29.9	26.1	23.3	21.0
<b>SURFACE</b>									
Treatment Level on Acrylic Side (Min)	ASTM D 2578	dyne/cm	41	41	41	41	41	41	41
<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	-	95	95	95	95	95	95	95
<b>MECHANICAL</b>									
Coefficient of Friction (Max)	ASTM D 1894	Acryl / Acryl	0.30	0.30	0.30	0.30	0.30	0.30	0.30
		PVdC / PVdC	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	1500	1500	1500	1500	1500	1500	1500
		TD	3000	3000	3000	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	20000	20000	20000	20000	20000	20000	20000
		TD	35000	35000	35000	35000	35000	35000	35000
Elongation (Max)	ASTM D 882	% MD	170	170	170	170	170	170	170
		TD	60	60	60	60	60	60	60
<b>THERMAL</b>									
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	3.5	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	1.5
Sealing Strength (Min) at 140°C / 2 Bar / 1 Sec	JPFTM	gms/25mm Acryl	450	450	450	475	475	475	475
		PVdC	400	400	400	425	425	425	425
<b>BARRIER</b>									
Water Vapour Transmission Rate	ASTM E 398	gm/m <sup>2</sup> /24h (38°C / 90% RH)	5.0	4.2	3.9	3.5	2.9	2.7	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h (23°C / 0% RH)	20	20	20	20	20	20	20

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.