



HEAD OFFICE :

Sector B1, Plot No. 12, 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, Taluk : Igatpuri, Dist : Nashik,
Maharashtra, PIN : 422403
Phone : + 91 2553 229100
Fax : + 91 2553 229200

Website : www.jindalpoly.com

**TECHNICAL DATA SHEET
OPP FILMS**

**TRANSPARENT ONE SIDE NON HEAT
SEALABLE OTHER SIDE CORONA TREATED
-MODIFIED LAYER**

JS12/18/20/25/30/35/40SM1

STRUCTURAL CONFIGURATION



- **UNTREATED NON HEAT SEALABLE SKIN**
- **MODIFIED TRANSPARENT INNER SKIN**
- **TRANSPARENT CORE**
- **MODIFIED TRANSPARENT INNER SKIN**
- **MODIFIED LAYER SUITABLE FOR PRINTING**

APPLICATIONS :

FOR SINGLE / TWO PLY PRINTING, LAMINATION AND FLOWER WRAP APPLICATION

DESCRIPTION :

Transparent, One side Non Heat Sealable other side corona treated modified layer suitable for single/two ply Printing, lamination and flower wrap application

SALIENT FEATURES :

- High surface gloss and transparency
- Very good barrier properties
- Excellent slip and antistatic properties
- Excellent surface treatment retention and adhesion to inks & adhesives
- Excellent machinability
- Excellent mechanical properties
- Excellent dimensional stability



TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	UNIT	JS12 SM1	JS18 SM1	JS19 SM1	JS20 SM1	JS25 SM1	JS30 SM1	JS35 SM1	JS40 SM1	JS45 SM1
PHYSICAL											
Thickness	ASTM D 374	Micron	12	18	19	20	25	30	35	40	45
Grammage	JPFTM	gm/m ²	10.9	16.4	17.3	18.2	22.7	27.3	31.8	36.4	40.9
Yield	JPFTM	m ² /kg	91.5	60.9	57.8	55.0	44.0	36.6	31.4	27.4	24.5
Surface											
Treatment Level	ASTM D2578	dyne/cm	39	39	39	39	39	39	39	39	39
Optical											
Haze	ASTM D1003	%	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4
Gloss at 45° Angle	ASTM D2457	-	88	88	88	88	88	88	88	88	88
MECHANICAL											
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength	ASTM D 882	MD	1250	1250	1250	1250	1250	1250	1250	1250	1250
		TD	2700	2700	2700	2700	2700	2700	2700	2700	2700
Elongation	ASTM D 882	MD	200	200	200	200	200	200	200	200	200
		TD	65	65	65	65	65	65	65	65	65
THERMAL											
Shrinkage at 120 ^o C / 5 min	JPFTM	MD	4.5	4.5	4.0	4.0	3.5	3.5	3.5	3.5	3.5
		TD	2.5	2.5	2.0	2.0	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	°C	-	-	-	-	-	-	-	-	-
Sealing Strength at 120 ^o C / 2 Bar / 1 Sec	JPFTM	gms/25mm	-	-	-	-	-	-	-	-	-
BARRIER											
Water Vapour Transmission Rate	ASTM E 398	gm/ m ² /24h	8.5	6.5	6.0	5.5	4.5	4.0	3.5	3.0	2.8
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	2550	1850	1800	1750	1600	1500	1350	1275	1240

The values provided in the Technical Data Sheet are typical performance data and are believed to be accurate. These are given in good faith, but users are advised to conduct their own tests on representative samples and not on the actual product dispatched. JINDAL POLY FILMS LIMITED doesn't guarantee or warranty typical values and fitness for its use for a specific purpose. The user is solely responsible for all determinations by the application of this information or the safety and suitability of our products, either alone or in combination with other products.

Storage & Handling:

It is a fact that dyne level decays over time in BOPP films and the decay is further aggravated with extreme environmental conditions. If film rolls are to be stored for a long time, it is preferable to maintain a constant, preferably low temperature (below 30°C) and a low humidity (below 70% RH) to maximize shelf life of the product & to minimize dyne level decay.

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION