



JINDAL POLY FILMS LTD.



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# TECHNICAL DATASHEET OPP FILMS

**ONE SIDE MATTY OTHER SIDE GLOSSY  
BOTH SIDE CORONA TREATED**

**JS12/13/15/18/20/25/30N2-MT**

## STRUCTURAL CONFIGURATION



- CORONA TREATED MATTY SKIN
- MODIFIED TRANSPARENT CORE
- CORONA TREATED GLOSSY SKIN

### APPLICATIONS :

Lamination of Printed Paper Boards / Posters / Book Covers Etc. Where Excellent Matty Appearance is Required

### DESCRIPTION :

One Side Matty, Other Side Glossy, Both Side Corona Treated OPP Film with excellent contact clarity, slip and antistatic properties for use in Paper / Paper Board Lamination Application. Matty side is specifically designed for very high anchorage of radiation curable printing (UV / IR Curable Printing), which is done as a post lamination process on requirements. Glossy side is also designed for very high anchorage of various lamination adhesives. Lamination always has to be carried out on glossy side.

### SALIENT FEATURES :

- Excellent Matty Appearance
- Excellent Contact Clarity
- Very Good Slip and Antistatic Properties
- Matty Side is Specially Design for Very Good Anchoring of UV Curable Inks and Coatings
- Excellent Anchorage of Lamination Adhesive on Treated Glossy Side
- Excellent Machinability
- Suitable for Various Lamination Machines



# TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	UNIT	JS12N2-MT	JS13N2-MT	JS15N2-MT	JS18N2-MT	JS20N2-MT	JS25N2-MT	JS30N2-MT
<b>PHYSICAL</b>									
Thickness	ASTM D 374	Micron	12	13	15	18	20	25	30
Grammage	JPFTM	gm/m <sup>2</sup>	10.4	11.3	13.0	15.6	17.3	21.6	26.0
Yield	JPFTM	m <sup>2</sup> /kg	96.1	88.5	76.9	64.1	57.8	46.3	38.5
<b>Surface</b>									
Treatment Level (Min)	ASTM D2578	dyne/cm	38 / 38	38 / 38	38 / 38	38 / 38	38 / 38	38 / 38	38 / 38
<b>Optical</b>									
Haze (Min)	ASTM D1003	%	75	75	75	75	75	75	75
Gloss (Max) at 45° Angle – Matt side	ASTM D2457	-	10	10	10	10	10	10	10
<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	MD	1200	1200	1200	1200	1200	1200	1200
		TD	2500	2500	2500	2500	2500	2500	2500
Modulus (Min)	ASTM D 882	MD	17000	17000	17000	17000	17000	17000	17000
		TD	26000	26000	26000	26000	26000	26000	26000
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 <sup>o</sup> C / 5 min	JPFTM	MD	4.5	4.5	4.0	3.5	3.5	3.5	3.5
		TD	2.5	2.5	2.0	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	-	-	-	-	-	-	-
Sealing Strength (Min) at 120 C / 2 Bar / 1 Sec	JPFTM	gms/25mm	-	-	-	-	-	-	-
<b>BARRIER</b>									
Water Vapour Transmission Rate	ASTM E 398	gm/ m <sup>2</sup> /24h		10.0	7.5	7.0	6.5	5.5	4.4
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h		2100	1850	1800	1620	1300	1090

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