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

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 MATTE SKIN

-- MODIFIED TRANSPARENT CORE

-- CORONA TREATED GLOSSY SKIN

APPLICATIONS :

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

DESCRIPTION :

One Side Matte, 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. Matte 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 Matte Appearance
- Excellent Contact Clarity
- Very Good Slip and Antistatic Properties
- Matte 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
PHYSICAL									
Thickness	ASTM D 374	Micron	12	13	15	18	20	25	30
Grammage	JPFTM	gm/m^2	10.4	11.3	13.0	15.6	17.3	21.6	26.0
Yield	JPFTM	m^2/kg	96.1	88.5	76.9	64.1	57.8	46.3	38.5
Surface									
Treatment Level : Glossy side	ASTM D2578	dyne/cm	38	38	38	38	38	38	38
Optical									
Haze	ASTM D1003	%	80	80	80	80	80	80	80
Gloss at 45° Angle – Matte side	ASTM D2457	-	9	9	9	9	9	9	9
MECHANICAL									
Coefficient of Friction – Max. (Matte / Matte)	ASTM D 1894	Kinetic	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Tensile Strength	ASTM D 882	MD kg/cm²	1150	1150	1150	1150	1150	1150	1150
		TD	2400	2400	2400	2400	2400	2400	2400
Modulus	ASTM D 882	MD kg/cm²	16500	16500	16500	16500	16500	16500	16500
		TD	26000	26000	26000	26000	26000	26000	26000
Elongation	ASTM D 882	MD %	180	180	180	180	180	180	180
		TD	55	55	55	55	55	55	55
THERMAL									
Shrinkage at 120°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	JPFTM	°C	-	-	-	-	-	-	-
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	-	-	-	-	-	-	-
BARRIER									
Water Vapour Transmission Rate	ASTM E 398	$gm/m^2/24h$	10.8	10.0	7.5	7.0	6.5	5.5	4.4
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$	2275	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