JINDAL POLY FILMS LTD.
(FORMERLY JINDAL POLYESTER LTD.)

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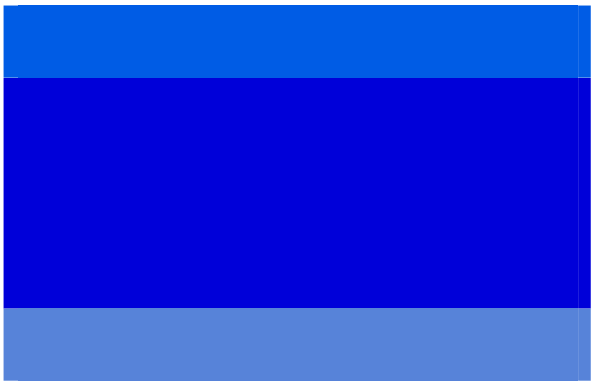
TECHNICAL DATASHEET OPP FILMS

ONE SIDE MATTY OTHER SIDE GLOSSY BOTH SIDE CORONA TREATED

JS13/15/18N2-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

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TECHNICAL DATA SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS13N2-MT	JS15N2-MT	JS18N2-MT
PHYSICAL					
Thickness	ASTM D 374	Micron	13	15	18
Grammage	JPFTM	gm/m^2	11.3	12.9	15.6
Yield	JPFTM	m^2/kg	88.5	77.1	64.2
SURFACE					
Treatment Level (Min)	ASTM D 2578	dyne/cm	38 / 38	38 / 38	38 / 38
OPTICAL					
Haze (Min)	ASTM D 1003	%	75	75	75
Gloss (Max) at 45^0 Angle – Matt Side	ASTM D 2457	-	10	10	10
MECHANICAL					
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm^2 MD	1200	1250	1250
		TD	2300	2500	2500
Modulus (Min)	ASTM D 882	kg/cm^2 MD	15000	17000	17000
		TD	25000	27000	27000
Elongation (Max)	ASTM D 882	% MD	170	160	150
		TD	70	60	50
THERMAL					
Shrinkage (Max) (at 120^0C for 5 min)	JPFTM	% MD	4.5	4.0	3.5
		TD	2.5	2.0	1.5
Seal Initiation Temperature (Max)	JPFTM	^{0}C	-	-	-
Sealing Strength (Min) (at 120^0C / 2 Bar / 1 Sec)	JPFTM	gms/25mm	-	-	-
BARRIER					
Water Vapour Transmission Rate (Max)	ASTM E 398	$gm/m^2/24h$	10	7.5	7.0
Oxygen Gas Transmission Rate (Max)	ASTM D 3985	$cc/m^2/24h$	2100	1850	1800

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