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TECHNICAL DATA SHEET OPP FILMS

PEARL WHITE ONE SIDE HEAT SEALABLE
OTHER SIDE HIGH GLOSSY CORONA TREATED

JS25/30/35/40/45/50S1-PLG

STRUCTURAL CONFIGURATION



- CORONA TREATED NON SEALABLE HIGH GLOSSY SKIN
- MODIFIED PEARL WHITE INNER SKIN
- PEARL WHITE CORE
- MODIFIED PEARL WHITE INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

APPLICATIONS :

PEARL WHITE ONE SIDE HEAT SEALABLE OTHER SIDE HIGH GLOSSY CORONA TREATED FILM FOR SINGLE / TWO PLY PRINTING LAMINATION APPLICATION

DESCRIPTION :

Pearl White, One Side Heat Sealable, Other Side High Glossy Corona Treated OPP Film with Very Good Barrier, Slip and Antistatic Properties for use in Single / Two Ply Printing Lamination Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives as well as excellent get up of printing due to high glossy surface. Untreated side exhibits excellent hot tack and seal strength

SALIENT FEATURES :

- Very High Glossy Surface
- Excellent Opacity
- Brilliant Pearlicent White Appearance
- Very Good Barrier Properties
- High Surface Gloss
- Excellent Hot Tack and Heat Seal Strength
- Excellent Surface Treatment Retention
- Excellent Anchorage of Inks and Lamination Adhesive on Treated Side
- Excellent Machinability,
- Suitable for Various Printing / Lamination Machines

*Available in Inside / Outside Corona Treated, as per the requirement of the customer

TECHNICAL DATA								
PROPERTIES	TEST METHOD	UNIT	JS25S1-PLG	JS30S1-PLG	JS35S1-PLG	JS40S1-PLG	JS45S1-PLG	JS50S1-PLG
PHYSICAL								
Thickness	ASTM D 374	Micron	25	30	35	40	45	50
Grammage	JPFTM	gm/m ²	17.5	21.0	24.5	28.0	31.5	35.0
Yield	JPFTM	m ² /kg	57.1	47.6	40.8	35.5	31.7	28.5
SURFACE								
Treatment Level (Min)	ASTM D 2578	dyne/cm	38	38	38	38	38	38
OPTICAL								
Transmittance (Max)	ASTM D 1003	%	40	35	30	30	25	25
Opacity	CIE	%	75	80	80	85	85	90
Gloss (Min) at 45° Angle	ASTM D 2457	-	55	55	55	50	50	50
MECHANICAL								
Coefficient of Friction (Max)	ASTM D 1894	Static	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
Tensile Strength (Min)	ASTM D 882	kg/cm ² MD	1000	1000	1000	1000	1000	1000
		TD	2000	2000	2000	2000	2000	2000
Modulus (Min)	ASTM D 882	kg/cm ² MD	15000	15000	15000	15000	15000	15000
		TD	25000	25000	25000	25000	25000	25000
Elongation (Max)	ASTM D 882	% MD	160	160	160	150	150	150
		TD	60	60	60	50	50	50
THERMAL								
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	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
Seal Initiation Temperature (Max)	JPFTM	°C	118	118	118	120	120	120
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	400	400	400	400	400	400
BARRIER								
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	6.0	5.0	4.0	3.5	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	1750	1650	1550	1400	1250	1100

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.