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TECHNICAL DATA SHEET OPP FILMS

WHITE CAVITATED ONE SIDE METALLISED
OTHER SIDE TREATED HEAT SEALABLE

JS35/38/40/50/60/75H2-PLD

STRUCTURAL CONFIGURATION



APPLICATIONS :

White Cavitated Heat Sealable Metallised Film For Wrap Around and Pressure Sensitive Label Application

DESCRIPTION :

White Cavitated One Side Metallised, Other Side Treated Heat Sealable OPP Film with Excellent Opacity, Slip and Antistatic Properties for use in Wrap Around and Pressure Sensitive Label Applications. During metallisation process film is treated with plasma for improving metal adhesion and barrier properties. Metallised side is specifically designed for excellent surface treatment retention behaviour as well as very good anchorage with Inks, specifically for surface printable applications. Non Metallised side is specifically designed for anchorage of various types PSA & Hotmelt Adhesives and also exhibits excellent hot tack properties, which facilitate the closure being made with heat sealing during wrap around labelling application.

SALIENT FEATURES :

- Excellent Opacity / Optical Density
- One Side Brilliant Pearlicent White Appearance and Other Side Brilliant Metallic Lustre
- High Water Vapour and Gas Barrier Properties
- Very High Surface Gloss
- Low Seal Initiation Temperature
- Excellent Hot Tack and Heat Seal Strength
- Excellent Surface Treatment Retention on Metallised Side
- Excellent Anchorage of Inks and PSA / Hotmelt Adhesive on Non Metallised Side
- Excellent Machinability
- Suitable for Various Printing / Lamination Machines

TECHNICAL DATA								
PROPERTIES	TEST METHOD	UNIT	JS35H2-PLD	JS38H2-PLD	JS40H2-PLD	JS50H2-PLD	JS60H2-PLD	JS75H2-PLD
PHYSICAL								
Thickness	ASTM D 374	Micron	35	38	40	50	60	75
Grammage	JPFTM	gm/m ²	24.5	26.6	28.0	34.0	39.0	48.8
Yield	JPFTM	m ² /kg	40.8	37.6	35.5	29.4	25.6	20.5
SURFACE								
Treatment Level – Metallised Side (Min)	ASTM D 2578	dyne/cm	38	38	38	38	38	38
Treatment Level – Non Metallised Side (Min)	ASTM D 2578	dyne/cm	38	38	38	38	38	38
OPTICAL								
Opacity (Min)	CIE	%	90	90	95	95	97	98
Optical Density (Min)	-	-	2.4	2.5	2.6	2.6	3.0	3.2
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	150	150	150	150	150	150
		TD	50	50	50	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	110	110	110	110	115	115
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	0.30	0.27	0.25	0.15	0.10	0.08
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	60	57	55	45	40	35

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 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.