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TECHNICAL DATA SHEET OPP FILMS

**METALLISED HIGH HEAT SEAL STRENGTH
HIGH HOT TACK**

JS20/25/30/35/40SP-MD

STRUCTURAL CONFIGURATION

- 
- PLASMA TREATED METALLISED SKIN
 - MODIFIED TRANSPARENT INNER SKIN
 - TRANSPARENT CORE
 - MODIFIED TRANSPARENT INNER SKIN
 - HIGH HEAT SEAL STRENGTH SKIN

APPLICATIONS :

HIGH HEAT SEAL STRENGTH SEALABLE METALLISED FILM FOR SINGLE / TWO PLY PACKAGING STRUCTURE. IDEAL REPLACEMENT OF METALLISED CPP.

DESCRIPTION :

One Side Metallised, Other Side High Heat Seal Strength Sealable OPP Film for Use in Single / Two Ply Packaging Structure. Speciality of this Film is Very High Sealing Strength and Outstanding Hot Tack Properties. Due to the Excellent Sealing Characteristics, this film can be well used for Replacement of Metallised CPP in Two Ply Laminating Structure. Also this film exhibits excellent water vapour and gas barrier properties compare to Metallised CPP. 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 lamination adhesives.

SALIENT FEATURES :

- Very High Sealing Strength and Outstanding Hot Tack Properties
- Excellent Surface Gloss on Metallised Side
- Very Good Water Vapour and Gas Barrier Properties
- Excellent Adhesion of Aluminium
- Very Good Anchorage of Lamination Adhesive on Metallised Side
- Very Good Metal Bond Strength
- Very Good Lamination Bond Strength
- Excellent Machinability
- Very Good Hot-Tack and Seal Strength

TECHNICAL DATA							
PROPERTIES	TEST METHOD	UNIT	JS20SP-MD	JS25SP-MD	JS30SP-MD	JS35SP-MD	JS40SP-MD
PHYSICAL							
Thickness	ASTM D 374	Micron	20	25	30	35	40
Grammage	JPFTM	gm/m ²	18.2	22.7	27.3	31.8	36.4
Yield	JPFTM	m ² /kg	55.0	44.0	36.6	31.4	27.4
SURFACE							
Treatment Level (Min) - Metallised Side	ASTM D 2578	dyne/cm	38	38	38	38	38
OPTICAL							
Optical Density (Min)	JPFTM	-	2.0	2.0	2.0	2.0	2.0
MECHANICAL							
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm ² MD	1400	1500	1500	1500	1500
		TD	2650	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ² MD	18000	19000	19000	19000	19000
		TD	29000	30000	30000	30000	30000
Elongation (Max)	ASTM D 882	% MD	160	160	150	150	150
		TD	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
		TD	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	115	115	120	120	120
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	1200	1200	1200	1200	1200
BARRIER							
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	0.48	0.40	0.35	0.25	0.15
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	75	68	58	40	30

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.