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**TECHNICAL DATA SHEET
 OPP FILMS**

METALLISED VERY HIGH BARRIER HIGH HEAT SEAL STRENGTH HIGH HOT TACK

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

STRUCTURAL CONFIGURATION



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

APPLICATIONS :

VERY HIGH BARRIER HIGH HEAT SEAL STRENGTH SEALABLE METALLISED FILM FOR SINGLE / TWO PLY PACKAGING STRUCTURE.

DESCRIPTION :

Metallised Very High Barrier High Heat Seal Strength Sealable OPP Film for Use in Single / Two Ply Packaging Structure. Speciality of this Film is Very High Moisture and Gas Barrier, Very High Sealing Strength and Outstanding Hot Tack Properties. The Film is Treated with Plasma During Metallisation Process. Metallised Side is Specifically Designed for Excellent Surface Treatment Retention Behavior as well as Very Good Anchorage with Lamination Adhesives.

SALIENT FEATURES :

- Very High Moisture and Gas Barrier
- Very High Sealing Strength and Outstanding Hot Tack Properties
- Excellent Surface Gloss on Metallised Side
- 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-MDV	JS25SP-MDV	JS30SP-MDV	JS35SP-MDV	JS40SP-MDV
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	MD	1400	1500	1500	1500	1500
		TD	2650	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	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	0.18	0.16	0.15	0.10	0.05
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	15	12	10	8	6

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.