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TECHNICAL DATA SHEET OPP FILMS

TRANSPARENT HEAT SEALABLE ONE SIDE CORONA
TREATED FOR VERY HIGH BARRIER METALLISED FILM

JS18/20/25/30/35/40H1-MZV

STRUCTURAL CONFIGURATION



- METAL RECEPTIVE CORONA TREATED SKIN
- MODIFIED TRANSPARENT INNER SKIN
- TRANSPARENT MODIFIED CORE
- MODIFIED TRANSPARENT INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

APPLICATIONS :

HEAT SEALABLE BASE FILM FOR VERY HIGH BARRIER ALUMINIUM VACUUM METALLISED FILM

DESCRIPTION :

Transparent, Heat Sealable, One Side Corona Treated for Very High Barrier Vacuum Metalised Film. The corona treated side is specifically designed with metal receptive material for excellent adhesion of aluminium on the surface during metallisation. The untreated heatsealable side exhibits excellent hot-tack and seal strength.

SALIENT FEATURES :

- High Surface Gloss and Transparency
- Very High Oxygen and Moisture Barrier after Metallisation
- Excellent Surface Treatment Retention
- Excellent Adhesion of Aluminium on Treated Side
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability
- Very Good Hot-Tack and Seal Strength

TECHNICAL DATA								
PROPERTIES	TEST METHOD	UNIT	JS18H1-MZV	JS20H1-MZV	JS25H1-MZV	JS30H1-MZV	JS35H1-MZV	JS40H1-MZV
PHYSICAL								
Thickness	ASTM D 374	Micron	18	20	25	30	35	35
Grammage	JPFTM	gm/m ²	16.4	18.2	22.7	27.3	31.8	31.8
Yield	JPFTM	m ² /kg	60.9	55.0	44.0	36.6	31.4	31.4
SURFACE								
Treatment Level – Metallisable Side (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40	40
OPTICAL								
Haze (Max)	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45° Angle	ASTM D 2457	-	94	94	94	94	94	94
MECHANICAL								
Coefficient of Friction (Max)	ASTM D 1894	Static	0.50	0.50	0.50	0.50	0.50	0.50
		Kinetic	0.48	0.48	0.48	0.48	0.48	0.48
Tensile Strength (Min)	ASTM D 882	kg/cm ² MD	1400	1400	1500	1500	1500	1500
		TD	2650	2650	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ² MD	18000	18000	19000	19000	19000	19000
		TD	29000	29000	30000	30000	30000	30000
Elongation (Max)	ASTM D 882	% MD	160	160	150	150	150	150
		TD	60	60	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	115	115	118	118	120	120
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	450	450	450	450	450	450
BARRIER								
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	6.5	6.0	5.0	4.0	3.0	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	1000	900	800	750	700	650

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.