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TECHNICAL DATA SHEET OPP FILMS

**TRANSPARENT NON HEAT SEALABLE
ONE SIDE CORONA TREATED
METALLISABLE**

JS10/12/15/17/18/20/25N1-MZ

STRUCTURAL CONFIGURATION



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

APPLICATIONS :

NON HEATSEALABLE BASE FILM FOR ALUMINIUM VACUUM METALLISATION

DESCRIPTION :

Transparent, Non Heat Sealable, One Side Corona Treated OPP Base Film for Vacuum Metalisation Application. The corona treated side is specifically designed with metal receptive material for excellent adhesion of aluminium on the surface during metallisation.

SALIENT FEATURES :

- High Surface Gloss and Transparency
- Excellent Surface Treatment Retention
- Excellent Adhesion of Aluminium on Treated Side
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA										
PROPERTIES	TEST METHOD	UNIT	JS10N1-MZ	JS12N1-MZ	JS15N1-MZ	JS17N1-MZ	JS18N1-MZ	JS20N1-MZ	JS25N1-MZ	
PHYSICAL										
Thickness	ASTM D 374	Micron	10	12	15	17	18	20	25	
Grammage	JPFTM	gm/m ²	9.1	10.9	13.7	15.5	16.4	18.2	22.7	
Yield	JPFTM	m ² /kg	109.9	91.7	73.0	64.5	60.9	54.9	44.0	
SURFACE										
Treatment Level (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40	40	40	
OPTICAL										
Haze (Max)	ASTM D 1003	%	2.0	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	94	
MECHANICAL										
Coefficient of Friction (Max)	ASTM D 1894	Static	0.50	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	0.48	
Tensile Strength (Min)	ASTM D 882	kg/cm ²	MD	1300	1300	1350	1400	1400	1400	1500
			TD	2500	2500	2550	2650	2650	2650	3000
Modulus (Min)	ASTM D 882	kg/cm ²	MD	17000	17000	17500	18000	18000	18000	19000
			TD	28000	28000	28500	29000	29000	29000	30000
Elongation (Max)	ASTM D 882	%	MD	160	160	160	150	150	150	150
			TD	60	60	60	50	50	50	50
THERMAL										
Shrinkage (Max) at 120°C / 5 min	JPFTM	%	MD	4.5	4.5	4.0	3.5	3.5	3.5	3.5
			TD	2.5	2.5	2.0	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	-	-	-	-	-	-	-	
Sealing Strength (Min) at 120°C / 2 Bar	JPFTM	gms/25mm	-	-	-	-	-	-	-	
BARRIER										
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	9.0	8.5	7.5	6.5	6.5	6.0	5.0	
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	2300	2200	2050	1850	1850	1800	1700	

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.