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TECHNICAL DATA SHEET OPP FILMS

TRANSPARENT NON HEAT SEALABLE BOTH
SIDE CORONA TREATED METALLISABLE

JS15/18/20/25/30N2-MZ

STRUCTURAL CONFIGURATION



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

APPLICATIONS :

NON HEAT SEALABLE BOTH SIDE TREATED BASE FILM FOR ALUMINIUM VACUUM
METALLISATION

DESCRIPTION :

Transparent, Heat Sealable, Both Side Corona Treated OPP Base Film for Vacuum Metalisation Application. One side is corona treated and specifically designed with metal receptive material for excellent adhesion of aluminium on the surface during metallisation. Other side is corona treated and specifically designed for excellent anchorage of lamination adhesive for three-ply lamination structure.

SALIENT FEATURES :

- High Surface Gloss and Transparency
- Excellent Surface Treatment Retention
- Excellent Adhesion of Aluminium on Metal Receptive Treated Side
- Excellent Anchorage of Lamination Adhesive on Non Metallisable Treated Side
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA							
PROPERTIES	TEST METHOD	UNIT	JS15N2-MZ	JS18N2-MZ	JS20N2-MZ	JS25N2-MZ	JS30N2-MZ
PHYSICAL							
Thickness	ASTM D 374	Micron	15	18	20	25	30
Grammage	JPFTM	gm/m ²	13.5	16.4	18.2	22.7	27.3
Yield	JPFTM	m ² /kg	74.0	60.9	55.0	44.0	36.6
SURFACE							
Treatment Level (Min) Metal Receptive Side / Non Metallisable Side	ASTM D 2578	dyne/cm	40 / 38	40 / 38	40 / 38	40 / 38	40 / 38
OPTICAL							
Haze (Max)	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45° Angle	ASTM D 2457	-	94	94	94	94	94
MECHANICAL							
Coefficient of Friction (Max)	ASTM D 1894	Static	0.50	0.50	0.50	0.50	0.50
		Kinetic	0.48	0.48	0.48	0.48	0.48
Tensile Strength (Min)	ASTM D 882	kg/cm ² MD	1350	1400	1400	1500	1500
		TD	2550	2650	2650	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ² MD	17500	18000	18000	19000	19000
		TD	28500	29000	29000	30000	30000
Elongation (Max)	ASTM D 882	% MD	160	150	150	150	150
		TD	60	50	50	50	50
THERMAL							
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	4.0	3.5	3.5	3.5	3.5
		TD	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	7.5	6.5	6.0	5.0	4.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	2050	1850	1800	1700	1600

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.