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TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT NON HEAT SEALABLE ONE SIDE CORONA TREATED METALLISABLE

JS10/12/15/17/18/20/25/30N1-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 SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS10N1-MZ	JS12N1-MZ	JS15N1-MZ	JS17N1-MZ	JS18N1-MZ	JS20N1-MZ	JS25N1-MZ	JS30N1-MZ
PHYSICAL										
Thickness	ASTM D 374	Micron	10	12	15	17	18	20	25	30
Grammage	JPFTM	gm/m^2	9.1	10.9	13.7	15.5	16.4	18.2	22.7	27.3
Yield	JPFTM	m^2/kg	109.9	91.7	73.0	64.5	60.9	54.9	44.0	36.6
SURFACE										
Treatment Level	ASTM D 2578	dyne/cm	39	39	39	39	39	39	39	39
OPTICAL										
Haze	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2
Gloss at 45°Angle	ASTM D 2457	-	92	92	92	92	92	92	92	92
MECHANICAL										
Coefficient of Friction-Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
Tensile Strength	ASTM D 882	kg/cm^2 MD	1275	1275	1275	1275	1275	1275	1275	1275
		kg/cm^2 TD	2700	2700	2700	2700	2700	2700	2700	2700
Modulus	ASTM D 882	kg/cm^2 MD	18000	18000	18000	18000	18000	18000	18000	18000
		kg/cm^2 TD	28000	28000	28000	28000	28000	28000	28000	28000
Elongation	ASTM D 882	% MD	190	190	190	190	190	190	190	190
		% TD	70	70	70	70	70	70	70	70
THERMAL										
Shrinkage at 120°C / 5 min	JPFTM	% MD	4.5	4.5	4.0	3.5	3.5	3.5	3.5	3.5
		% TD	2.5	2.5	2.0	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	°C	-	-	-	-	-	-	-	-
Sealing Strength 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	4.5
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$	2300	2200	2050	1850	1850	1800	1700	1650

The values provided in the Technical Data Sheet are typical performance data and are believed to be accurate. These are given in good faith, but users are advised to conduct their own tests on representative samples and not on the actual product dispatched. JINDAL POLY FILMS LIMITED doesn't guarantee or warranty typical values and fitness for its use for a specific purpose. The user is solely responsible for all determinations by the application of this information or the safety and suitability of our products, either alone or in combination with other products.

Storage & Handling:
It is a fact that dyne level decays over time in BOPP films and the decay is further aggravated with extreme environmental conditions. If film rolls are to be stored for a long time, it is preferable to maintain a constant, preferably low temperature (below 30°C) and a low humidity (below 70% RH) to maximize shelf life of the product & to minimize dyne level decay.

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION