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TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT HIGH HEAT SEAL STRENGTH HIGH HOT TACK ONE SIDE CORONA TREATED FOR METALLISED FILM

JS18/20/25/30/35/40SP-MZ

STRUCTURAL CONFIGURATION

-- METAL RECEPTIVE CORONA TREATED SKIN
-- MODIFIED TRANSPARENT INNER SKIN
-- TRANSPARENT MODIFIED CORE
-- MODIFIED TRANSPARENT INNER SKIN
-- UNTREATED HIGH HEAT SEAL STRENGTH HIGH HOTTACK SKIN

APPLICATIONS :

HIGH HEAT SEAL STRENGTH HIGH HOTTACK BASE FILM FOR ALUMINIUM VACUUM METALLISED FILM

DESCRIPTION :

Transparent, High Heat Seal Strength High Hottack, One Side Corona Treated film for Vacuum Metalised Application. 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 very high hot-tack and seal strength.

SALIENT FEATURES :

- High Surface Gloss and Transparency
- Very High Heat Seal Strength and High Hottack
- Excellent 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 SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT		JS18SP-MZ	JS20SP-MZ	JS25SP-MZ	JS30SP-MZ	JS35SP-MZ	JS40SP-MZ
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	ASTM D 2578	dyne/cm		39	39	39	39	39	39
OPTICAL									
Haze	ASTM D 1003	%		2.3	2.3	2.4	2.4	2.5	2.5
Gloss (Min) – at 45° Angle	ASTM D 2457	-		85	85	85	85	85	85
MECHANICAL									
Coefficient of Friction-Max. (Untreated / Untreated)	ASTM D 1894	Kinetic		0.50	0.50	0.50	0.50	0.50	0.50
Tensile Strength	ASTM D 882	kg/cm^2	MD	1200	1200	1200	1200	1200	1200
			TD	2650	2650	3000	3000	3000	3000
Modulus	ASTM D 882	kg/cm^2	MD	18000	18000	19000	19000	19000	19000
			TD	28000	28000	28000	28000	28000	28000
Elongation	ASTM D 882	%	MD	210	210	210	210	210	210
			TD	70	70	70	70	70	70
THERMAL									
Shrinkage 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	JPFTM	°C		105	105	105	106	106	106
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm		900	950	1050	1200	1300	1500
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	$cc/m^2/24h$		1850	1800	1700	1600	1500	1400

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