HEAD OFFICE :
Plot No. 2, Sector B1, Local Shopping Complex, Vasant Kunj,
New Delhi - 110070
Phone No : +91 11 26139256 - 265
Fax No : +91 11 26125739

WORKS :
28 - KM, Stone, Nashik - Igatpuri Road,
Village : Mundegaon, Maharashtra
Phone : + 91 2553 229100
Fax : + 91 2553 229200

Website : www.jindalpoly.com

TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT HEAT SEALABLE ONE SIDE CORONA TREATED METALLISABLE

JS15/18/20/25/30/35/40H1-MZ

STRUCTURAL CONFIGURATION

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

APPLICATIONS :

HEAT SEALABLE BASE FILM FOR ALUMINIUM VACUUM METALLISATION

DESCRIPTION :

Transparent, 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. The untreated heatsealable side exhibits excellent hot-tack and seal strength.

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
- Very Good Hot-Tack and Seal Strength

TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	UNIT	JS15H1-MZ	JS18H1-MZ	JS20H1-MZ	JS25H1-MZ	JS30H1-MZ	JS35H1-MZ	JS40H1-MZ
PHYSICAL									
Thickness	ASTM D 374	Micron	15	18	20	25	30	35	40
Grammage	JPFTM	gm/m^2	13.7	16.4	18.2	22.7	27.3	31.8	36.4
Yield	JPFTM	m^2/kg	73.0	60.9	55.0	44.0	36.6	31.4	27.4
Surface									
Treatment Level	ASTM D2578	dyne/cm	39	39	39	39	39	39	39
Optical									
Haze	ASTM D1003	%	2.0	2.1	2.2	2.3	2.4	2.5	2.5
Gloss at 45° Angle	ASTM D2457	-	87	87	87	87	87	87	87
MECHANICAL									
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Tensile Strength	ASTM D 882	MD	1250	1250	1250	1250	1250	1250	1250
		kg/cm^2 TD	2700	2700	2700	2700	2700	2700	2700
Modulus	ASTM D 882	MD	18000	18000	18000	18000	18000	18000	18000
		kg/cm^2 TD	28000	28000	28000	28000	28000	28000	28000
Elongation	ASTM D 882	MD	210	210	210	210	210	210	210
		% TD	70	70	70	70	70	70	70
THERMAL									
Shrinkage at 120^0C / 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	JPFTM	°C	112	112	112	112	113	113	113
Sealing Strength at 120^0C / 2 Bar / 1 Sec	JPFTM	gms/25mm	400	425	450	475	500	525	550
BARRIER									
Water Vapour Transmission Rate	ASTM E 398	$gm/m^2/24h$	7.0	6.5	6.0	5.0	4.0	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$	2000	1850	1800	1700	1600	1500	1450

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