HEAD OFFICE :
Plot No. 12, 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, Taluk : Igatpuri, Dist : Nasik,
Maharashtra, PIN : 422403
Phone : + 91 2553 229100
Fax : + 91 2553 229200

Website : www.jindalpoly.com

TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT ULTRA ULTRA LOW HEAT SEALABLE LOW COF ONE SIDE CORONA TREATED

JS18/20/25/30/35/40/50H1-UUS

STRUCTURAL CONFIGURATION

-- CORONA TREATED HEAT SEAL LOW COF SKIN
-- MODIFIED TRANSPARENT INNER SKIN
-- TRANSPARENT CORE
-- MODIFIED TRANSPARENT INNER SKIN
-- UNTREATED ULTRA LOW HEAT SEAL LOW COF SKIN

APPLICATIONS :

ULTRA ULTA LOW HEAT SEALABLE, ONE SIDE CORONA TREATED, LOW COF FILM FOR SINGLE / TWO PLY PACKAGING STRUCTURE FOR HIGH SPEED PACKAGING APPLICATIONS

DESCRIPTION :

Transparent Ultra Ultra Low Heat Sealable Low Co-efficient of Friction One Side Corona Treated OPP Film with Excellent Clarity, Slip and Antistatic Properties for Single / Two Ply Laminate for High Speed Packaging Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesive during conversion. Both the sides exhibit very high hot-tack and seal strength.

SALIENT FEATURES :

- Ultra Ultra Low Seal Initiation Temperature
- Very High Hot-Tack and Seal Strength
- High Surface Gloss and Transparency
- Very Good Barrier Properties
- Excellent Slip and Antistatic Properties
- Excellent Surface Treatment Retention
- Excellent Adhesion of Inks and Adhesive on Treated Side
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	UNIT	JS18H1-UUS	JS20H1-UUS	JS25H1-UUS	JS30H1-UUS	JS35H1-UUS	JS40H1-UUS	JS50H1-UUS
PHYSICAL									
Thickness	ASTM D 374	Micron	18	20	25	30	35	40	50
Grammage	JPFTM	gm/m^2	16.4	18.2	22.7	27.3	31.8	36.4	45.5
Yield	JPFTM	m^2/kg	60.9	55.0	44.0	36.6	31.4	27.4	22.0
Surface									
Treatment Level	ASTM D2578	dyne/cm	39	39	39	39	39	39	39
Optical									
Haze	ASTM D1003	%	2.0	2.0	2.0	2.0	2.0	2.2	2.2
Gloss at 45° Angle	ASTM D2457	-	88	88	88	88	88	88	88
MECHANICAL									
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Tensile Strength	ASTM D 882	MD kg/cm²	1250	1250	1250	1250	1250	1250	1250
		TD	2700	2700	2700	2700	2700	2700	2700
Modulus	ASTM D 882	MD kg/cm²	18000	18000	18000	18000	18000	18000	18000
		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°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	JPFTM	°C	85	85	85	86	86	87	87
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	450	475	500	525	550	600	650
BARRIER									
Water Vapour Transmission Rate	ASTM E 398	$gm/m^2/24h$	6.5	6.0	5.0	4.0	3.0	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$	1850	1800	1700	1600	1500	1450	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