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, Maharashtra
Phone : + 91 2553 229100
Fax : + 91 2553 229200

Website : www.jindalpoly.com

TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT HIGH HEAT SEAL STRENGTH HIGH HOT TACK ONE SIDE CORONA TREATED

JS18/20/25/30/35/40/50SP-HS

STRUCTURAL CONFIGURATION

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

APPLICATIONS :
LOW HEAT SEALABLE, HIGH HEAT SEAL STRENGTH, HIGH HOTTACK, ONE SIDE CORONA TREATED FILM FOR SINGLE / TWO PLY PACKAGING STRUCTURE FOR HIGH SPEED PACKAGING APPLICATIONS

DESCRIPTION :
Transparent Low Heat Sealable High Heat Seal Strength, High Hottack One Side Corona Treated OPP
Film with Excellent Clarity, Slip and Antistatic Properties for Single / Two Ply Laminate where High Heat Seal Strength and High Hottack Surface is required to get Excellent Seal Integrity in Contaminated Surface on High Speed FFS Machines.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 :
- Low Seal Initiation Temperature
- Very High Hot-Tack and Heat 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

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS18SP-HS	JS20SP-HS	JS25SP-HS	JS30SP-HS	JS35SP-HS	JS40SP-HS	JS50SP-HS
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	21.9
SURFACE									
Treatment Level	ASTM D 2578	dyne/cm	38	38	38	38	38	38	38
OPTICAL									
Haze	ASTM D 1003	%	2.0	2.0	2.2	2.3	2.5	2.5	2.5
Gloss at 45°Angle	ASTM D 2457	-	87	87	87	87	87	87	87
MECHANICAL									
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength	ASTM D 882	kg/cm^2 MD	1200	1200	1200	1200	1200	1200	1200
		kg/cm^2 TD	2700	2700	2700	2700	2700	2700	2700
Modulus	ASTM D 882	kg/cm^2 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°C / 5 min	JPFTM	% MD	3.5	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	1.5
Seal Initiation Temperature	JPFTM	°C	105	105	105	106	106	106	107
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	900	950	1050	1200	1300	1500	1750
Hot tack at 120°C / 2 Bar / 0.5 Sec	JPFTM	gms/15mm	350	400	400	425	450	475	500
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	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