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**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									
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 (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40	40	40
OPTICAL									
Haze (Max)	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45° Angle	ASTM D 2457	-	90	90	90	90	90	90	90
MECHANICAL									
Coefficient of Friction (Max)	ASTM D 1894	Static	0.30	0.30	0.30	0.30	0.30	0.30	0.30
		Kinetic	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Tensile Strength (Min)	ASTM D 882	kg/cm ² MD	1400	1400	1500	1500	1500	1500	1500
		TD	2900	2900	3000	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ² MD	19000	19000	20000	20000	20000	20000	20000
		TD	34000	34000	35000	35000	35000	35000	35000
Elongation (Max)	ASTM D 882	% MD	160	160	150	150	150	150	150
		TD	60	60	50	50	50	50	50
THERMAL									
Shrinkage (Max) 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 (Max)	JPFTM	°C	105	105	105	105	105	105	105
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	1200	1200	1200	1200	1200	1200	1200
Hottack at 120°C / 2 Bar / 0.5 Sec	JPFTM	gms/15mm	450	450	450	450	450	450	450
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 given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any responsibility for the fitness of the product for any particular use.