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TECHNICAL DATA SHEET OPP FILMS

**TRANSPARENT BOTH SIDE HEAT
SEALABLE LOW COF ONE SIDE HOT SLIP HIGH
SHRINK FILM**

JS18/20/25H0-CG

STRUCTURAL CONFIGURATION



- **UNTREATED HEAT SEAL LOW COF SKIN**
- **MODIFIED LOW HAZE TRANSPARENT INNER SKIN**
- **BLENDED LOW HAZE TRANSPARENT CORE**
- **MODIFIED LOW HAZE TRANSPARENT INNER SKIN**
- **UNTREATED HEAT SEAL LOW COF HOT SLIP SKIN**

APPLICATIONS :

TRANSPARENT UNTREATED BOTH SIDE SEALABLE LOW COF ONE SIDE HOT SLIP HIGH SHRINK FILM FOR HIGH SPEED CIGARETTE OVER WRAP APPLICATION

Transparent, Untreated, Both Side Seal, Both Side, One Side Hot Slip, High Shrink OPP Film with Excellent Barrier, Clarity, Antistatic Properties Specifically Designed for High Speed Cigarette Over Wrap Application. Both untreated low heat seal high slip sides are designed for providing excellent hot tack, seal strength and outstanding machinability on high speed cigarette over wrap machines. The slip and antistatic properties are well balanced for providing excellent machinability during overwrapping process. Seal initiation characteristic of the film helps to utilise the maximum operating speed of overwrap machine without compromising on sealing properties. The shrinkage of the film is maintained at higher side well balanced on both machine and transverse direction for providing excellent crease / wave free tight wrapping. The film exhibits excellent stiffness which facilitates the crease free tight wrapping on cigarette packets. Hot slip side of the film facilitates uninterrupted movement of the wrapped cigarette packets on metal conveyer plate of over wrapping machine.

SALIENT FEATURES :

- High Balanced Shrinkage for Crease / Wave Free Tight Wrapping
- Low Heat Seal Initiation Temperature
- Excellent Hot-Tack and Seal Strength on Both Sides
- Excellent Slip and Antistatic Properties
- One Side Hot Slip for Facilitating Uninterrupted Movement of Wrapped Cigarette Packs on Metal Conveyer
- High Surface Gloss, Transparency and Clarity
- Excellent Stiffness
- Excellent Mechanical Properties
- Excellent Machinability
- Very Good Barrier Properties



TECHNICAL DATA SHEET

TECHNICAL DATA					
PROPERTIES	TEST METHOD	UNIT	JS18H0-CG	JS20H0-CG	JS25H0-CG
PHYSICAL					
Thickness	ASTM D 374	Micron	18	20	25
Grammage	JPFTM	gm/m ²	16.4	18.2	22.7
Yield	JPFTM	m/kg	61.0	55.0	44.0
SURFACE					
Treatment Level (Min)	ASTM D 2578	dyne/cm	-	-	-
Static Charge	JPFTM	KV	<1.0	<1.0	<1.0
OPTICAL					
Haze (Max)	ASTM D 1003	%	1.60	1.80	2.20
Gloss (Min)	ASTM D 2457	at 45Angle	95	95	95
MECHANICAL					
Coefficient of Friction (Max)	ASTM D 1894	Static / Kinetic	Film / Film 0.25 / 0.23	Film / Film 0.25 / 0.23	Film / Film 0.25 / 0.23
			Film / Metal 0.20 / 0.18	Film / Metal 0.20 / 0.18	Film / Metal 0.20 / 0.18
Coefficient of Friction at 50°C - Hot Slip Side (Max)	JPFTM	Static / Kinetic	Film / Film 0.30 / 0.28	Film / Film 0.30 / 0.28	Film / Film 0.30 / 0.28
			Film / Metal 0.25 / 0.23	Film / Metal 0.25 / 0.23	Film / Metal 0.25 / 0.23
Tensile Strength (Min)	ASTM D 882	kg/cm ²	MD	1500	1500
			TD	2900	2900
Modulus (Min)	ASTM D 882	kg/cm ²	MD	21000	21000
			TD	35000	35000
Elongation (Max)	ASTM D 882	%	MD	160	160
			TD	55	55
THERMAL					
Shrinkage at 120°C / 5 min	JPFTM	%	MD	6.0	6.0
			TD	6.0	6.0
Seal Initiation Temperature (Max)	JPFTM	°C	115	115	115
Sealing Strength (Min) at 120°C / 2 Bar	JPFTM	gms/25mm	400	425	450
BARRIER					
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	6.5	6.0	5.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	2000	1850	1500

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:

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.

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION