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**TECHNICAL DATA SHEET  
 OPP FILMS**

**TRANSPARENT HIGH HEAT SEAL ABLE ONE SIDE CORONA TREATED ANTIFOG FILM**

**JS20/25/30/35/40/50H1-AF**

**STRUCTURAL CONFIGURATION**



- CORONA TREATED HEAT SEALABLE SKIN
- MODIFIED TRANSPARENT INNER SKIN
- MODIFIED TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- ANTIFOG HEAT SEALABLE SKIN

**APPLICATIONS :**

TRANSPARENT, HEAT SEALABLE ONE SIDE CORONA TREATED ANTIFOG FILM FOR VEGETABLE / FRUIT AND OTHER PACKAGING PURPOSE WHERE PACKAGED FOOD TO BE KEPT UNDER REFRIGERATION OR ROOM / ELEVATED TEMPERATURE. ANTIFOG PROPERTY OF THE FILM PREVENT FOGGING INSIDE THE PACKAGE AND EXCELLENT SEE THROUGH OF THE FILM. THIS FILM IS APPLICABLE FOR BOTH COLD AND HOT FOG APPLICATIONS AND CAN BE USED AS SINGLE / TWO PLY PACKAGING STRUCTURE.

**DESCRIPTION :**

Antifog Transparent, High Heat Sealable, One Side Corona Treated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two Ply Printing Lamination Application. This film exhibits excellent Antifog Effect on refrigeration or at room / elevated temperature.

The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesive during conversion. Antifog side of the film must have to be in contact with the food.

**SALIENT FEATURES :**

- Excellent Antifog Effect – Both for Cold / Hot Fog Application
- 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	JS20H1-AF	JS25H1-AF	JS30H1-AF	JS35H1-AF	JS40H1-AF	JS50H1-AF
<b>PHYSICAL</b>								
Thickness	ASTM D 374	Micron	20	25	30	35	40	50
Grammage	JPFTM	gm/m <sup>2</sup>	18.2	22.7	27.3	31.8	36.4	45.5
Yield	JPFTM	m <sup>2</sup> /kg	55.0	44.0	36.6	31.4	27.4	21.9
<b>SURFACE</b>								
Treatment Level (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40	40
<b>OPTICAL</b>								
Haze (Max)	ASTM D 1003	%	2.5	2.5	2.5	2.5	2.5	2.5
Gloss (Min) at 45° Angle	ASTM D 2457	-	90	90	90	90	90	90
<b>MECHANICAL</b>								
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1400	1400	1500	1500	1500	1500
		TD	2900	2900	3000	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	19000	19000	20000	20000	20000	20000
		TD	34000	34000	35000	35000	35000	35000
Elongation (Max)	ASTM D 882	% MD	160	160	150	150	150	150
		TD	60	60	50	50	50	50
<b>THERMAL</b>								
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	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
Seal Initiation Temperature (Max)	JPFTM	°C	105	105	105	105	105	105
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	450	450	450	450	450	450
<b>ANTIFOG EFFECT</b>								
Cold Fog at 4°C / 7 Days	JPFTM	Rating A to E	E	E	E	E	E	E
Hot Fog at 60°C / 3 Hour	JPFTM	A – Poor E – Excellent	E	E	E	E	E	E
<b>BARRIER</b>								
Water Vapour Transmission Rate	ASTM E 398	gm/m <sup>2</sup> /24h	6.0	5.0	4.0	3.0	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1800	1700	1600	1500	1400	1300

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.