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TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT NON HEAT SEALABLE ONE SIDE CORONA TREATED LOW HAZE

JS17/18/20/23/25/29/30/35/38/40/42/50N1-LH

STRUCTURAL CONFIGURATION

-- LOW HAZE CORONA TREATED SKIN
-- LOW HAZE TRANSPARENT INNER SKIN
-- HIGHLY TRANSPARENT CORE
-- LOW HAZE TRANSPARENT INNER SKIN
-- LOW HAZE UNTREATED SKIN

APPLICATIONS :

LOW HAZE BASE FILM FOR HOLOGRAPHY EMBOSSING, TEXTILE BAGS AND FLOWER OVERWRAP APPLICATIONS.

DESCRIPTION :

Transparent, Low Haze, Non Heat Sealable, One Side Corona Treated OPP Base Film for Holography Embossing Textile Bags And Flower Overwrap Applications. The corona treated side is specifically designed for excellent adhesion of holographic coating and printing inks. Because of very low haze of the film, water clear holographic appearance exhibited by the film after embossing. High clarity and low haze of the film impart excellent aesthetic appeal for textile bags and flower overwrapping.

SALIENT FEATURES :

- Low Haze
- Excellent Surface Gloss and Transparency
- Excellent Surface Treatment Retention
- Excellent Adhesion of Holographic Coating and Printing Inks on Treated Side
- Water Clear Holographic Appearance after Embossing
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS17N1 -LH	JS18N1 -LH	JS20N1 -LH	JS23N1 -LH	JS25N1 -LH	JS29N1 -LH	JS30N1 -LH	JS35N1 -LH	JS38N1 -LH	JS40N1 -LH	JS42N1 -LH	JS50N1 -LH
PHYSICAL														
Thickness	ASTM D 374	Micron	17	18	20	23	25	29	30	35	38	40	42	50
Grammage	JPFTM	gm/m^2	15.5	16.4	18.2	20.9	22.8	26.4	27.3	31.9	34.6	36.4	38.3	45.5
Yield	JPFTM	m^2/kg	64.5	61.0	54.9	47.7	43.9	37.8	36.6	31.4	28.9	27.4	26.1	21.9
SURFACE														
Treatment Level	ASTM D 2578	dyne/cm	38	38	38	38	38	38	38	38	39	39	38	38
OPTICAL														
Haze	ASTM D 1003	%	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3
Gloss at 45° Angle	ASTM D 2457	-	96	96	96	96	96	96	96	96	96	96	96	96
MECHANICAL														
Coefficient of Friction – Max (Untreated / Untreated)	ASTM D 1894	Kinetic	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Tensile Strength	ASTM D 882	kg/cm^2 MD	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
		kg/cm^2 TD	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800
Modulus	ASTM D 882	Kg/cm^2 MD	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000
		Kg/cm^2 TD	28000	28000	28000	28000	28000	28000	28000	28000	28000	28000	28000	28000
Elongation	ASTM D 882	MD	185	185	185	185	185	185	185	185	185	185	185	185
		TD	60	60	60	60	60	60	60	60	60	60	60	60
THERMAL														
Shrinkage at 120°C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5	3.5	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	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	°C	-	-	-	-	-	-	-	-	-	-	-	-
Sealing Strength at 120°C / 2 Bar	JPFTM	gms/25mm	-	-	-	-	-	-	-	-	-	-	-	-
BARRIER														
Water Vapour Transmission Rate	ASTM E 398	gm/m^2/24h	-	-	-	-	-	-	-	-	-	-	-	-
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m^2 /24h	-	-	-	-	-	-	-	-	-	-	-	-

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