JINDAL POLY FILMS LTD.

HEAD OFFICE :
Plot No. 2, 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

OPAQUE WHITE BOTH SIDE HEAT SEALABLE BOTH SIDE CORONA TREATED

JS20/25/30/35H2-OP

STRUCTURAL CONFIGURATION

-- CORONA TREATED HEAT SEAL SKIN
-- MODIFIED WHITE INNER SKIN
-- OPAQUE WHITE CORE
-- MODIFIED WHITE INNER SKIN
-- CORONA TREATED HEAT SEAL SKIN

APPLICATIONS :

OPAQUE WHITE BOTH SIDE HEAT SEALABLE TREATED FILM FOR CABLE OVER WRAP APPLICATION

DESCRIPTION :

Opaque White, Both Side Heat Sealable, Corona Treated OPP Film with Balanced Slip and Excellent Antistatic Properties for Cable Over wrap Application. Both treated heat seal sides are specifically designed for providing excellent hot tack and seal strength on high speed overwrap machines. The slip and antistatic properties are well balanced for providing excellent machinability during over wrapping process. Low heat seal initiation characteristic of the film is help to utilise the maximum operating speed of over wrap machine without compromising on sealing properties.

SALIENT FEATURES :

- Excellent Opacity
- Very High Hot-Tack and Seal Strength on Both Sides
- High Surface Gloss and Transparency
- Excellent Adhesion of Inks and Coatings on Treated Side
- Very Good Barrier Properties
- Excellent Slip and Antistatic Properties
- Excellent Machinability on High Speed Overwrap Machines
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS20H2-OP	JS25H2-OP	JS30H2-OP	JS35H2-OP
PHYSICAL						
Thickness	ASTM D 374	Micron	20	25	30	35
Grammage	JPFTM	gm/m^2	19.0	23.7	28.5	33.3
Yield	JPFTM	m^2/kg	52.6	42.1	35.1	30.0
SURFACE						
Treatment Level (Min)	ASTM D 2578	dyne/cm	38 / 38	38 / 38	38 / 38	38 / 38
OPTICAL						
Transmittance (Max)	ASTM D 1003	%	40	40	35	35
Opacity	CIE	%	70	75	80	80
Gloss (Min) at 45° Angle	ASTM D 2457	-	55	55	55	55
MECHANICAL						
Coefficient of Friction (Max)	ASTM D 1894	Static	0.30	0.30	0.30	0.30
		Kinetic	0.28	0.28	0.28	0.28
Tensile Strength (Min)	ASTM D 882	kg/cm^2 MD	1100	1100	1100	1100
		kg/cm^2 TD	2500	2500	2500	2500
Modulus (Min)	ASTM D 882	kg/cm^2 MD	17000	17000	17000	17000
		kg/cm^2 TD	28000	28000	28000	28000
Elongation (Max)	ASTM D 882	% MD	170	170	170	170
		% TD	60	60	60	60
THERMAL						
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5
		% TD	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	120	120	120	120
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	400	425	450	500
BARRIER						
Water Vapour Transmission Rate	ASTM E 398	$gm/m^2/24h$	6.5	5.5	4.5	3.7
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$	1850	1750	1650	1550

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