HEAD OFFICE:
Plot No. – 12, Sector B1, Local Shopping Complex, Vasant Kunj,
New Delhi - 110 070 (INDIA).
Tel: 0091-11-26139256 – 265, Fax: 0091-11-26125739
Web site: www.jindalpoly.com

TECHNICAL SPECIFICATION SHEET (J-221)

DESCRIPTION: J-221 grade of film is a transparent, one side co-polyester pre-coated and other side plain bi-axially oriented polyester film; film complies with FDA and EC regulations.

APPLICATIONS: Suitable for metallization and flexible packaging, film specially designed for many flexible packaging applications require high bond strength. Film is not recommended for sterilization / retort application.

SALIENT FEATURES:

- Excellent Adhesion of Inks and Adhesive
- Significant improved metal adhesion when metallized on treated side
- Excellent Machinability
- Excellent Mechanical and thermal Properties

			TECHNICAL DATA		
PROPERTIES		TEST METHOD	UNIT	J-221	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	10 (40)	12 (48)
Yield		JPFTM	m^2/kg (in^2/lb)	71.4 (50200)	59.5 (41800)
OPTICAL					
Haze (Max)		ASTM D 1003	%	3.5	3.5
Total Luminous Transmission		ASTM D 1003	%	89	89
MECHANICAL					
Tensile Strength (Min)	MD	ASTM D 882	Kg/cm^2 (psi)	2000 (28500)	2000 (28500)
	TD	ASTM D 882	Kg/cm^2 (psi)	1900 (27000)	1900 (27000)
Elongation (Min)	MD	ASTM D 882	%	90	90
	TD	ASTM D 882	%	90	90
Coefficient of friction (Side-A / B) (Max)	St	ASTM D 1894	–	0.50	0.50
	Dy	ASTM D 1894	–	0.45	0.45
THERMAL					
Shrinkage (150^{0}C / 30) (Max)	MD	ASTM D 1204	%	2.8	2.8
	TD	ASTM D 1204	%	0.4	0.4
SURFACE					
Wetting tension (coated side)		ASTM D 2578	dyne/cm	56	56
BARRIER					
WVTR (38 ^{0}C & 90% RH) (Max)		ASTM E-398	g / m^2/ day (g / 100 $inch^2$/ day)	55 (3.6)	45 (3.0)
OTR (23 ^{0}C & 0% RH) (Max)		ASTM D-3985	cc / m^2/ day (cc / 100 $inch^2$/ day)	130 (8.5)	110 (7.0)

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 accepts any responsibility for the fitness of the product for any particular use.

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

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			TECHNICAL DATA		
PROPERTIES		TEST METHOD	UNIT	J-221	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	19 (76)	23(92)
Yield		JPFTM	m^2/kg (in^2/lb)	37.6 (26400)	31 (21800)
OPTICAL					
Haze (Max)		ASTM D 1003	%	3.5	4.0
Total Luminous Transmission		ASTM D 1003	%	89	89
MECHANICAL					
Tensile Strength	MD	ASTM D 882	Kg/cm^2 (psi)	2000 (28500)	2000 (28500)
(Min)	TD	ASTM D 882	Kg/cm^2 (psi)	1900 (27000)	1900 (27000)
Elongation	MD	ASTM D 882	%	90	90
(Min)	TD	ASTM D 882	%	90	90
Coefficient of friction	St	ASTM D 1894	_	0.45	0.45
(Side-A / B) (Max)	Dy	ASTM D 1894	_	0.40	0.40
THERMAL					
Shrinkage	MD	ASTM D 1204	%	2.8	2.8
(150^{0}C / 30) (Max)	TD	ASTM D 1204	%	0.4	0.4
SURFACE					
Wetting tension (coated side)		ASTM D 2578	dyne/cm	56	56
BARRIER					
WVTR (38 ^{0}C & 90% RH) (Max)		ASTM E 398	g / m^2/ day (g / 100 $inch^2$/ day)	35 (2.3)	28 (1.8)
OTR (23 ^{0}C & 0% RH) (Max)		ASTM D 3985	cc / m^2/ day (cc / 100 $inch^2$/ day)	80 (5.2)	70 (4.5)

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