

**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-231)

DESCRIPTION: J-231 grade of polyester film is one side chemically pre-treated (acrylic) and other side plain. Film complies with FDA and EC regulations.

APPLICATIONS: Designed for many flexible packaging applications require high quality printing.

SALIENT FEATURES:

- Excellent adhesion to solvent base inks and coatings
- Good clarity for reverse printing
- Excellent Machinability
- Excellent Mechanical and thermal Properties
- Excellent for printing and lamination

TECHNICAL DATA

PROPERTIES		TEST METHOD	UNIT	J-231	
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	0.45
	Dy	ASTM D 1894	—	0.45	0.40
THERMAL					
Shrinkage (150°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	42	42
BARRIER					
WVTR (38 °C & 90% RH) (Max)		ASTM E-398	g / m ² / day (g / 100 inch ² / day)	55 (3.6)	45 (3.0)
OTR (23 °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

WORKS:

28 - KM, Stone, Nashik - Igatpuri Road,
Village : Mundegaon, Maharashtra
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PROPERTIES		TEST METHOD	UNIT	J-231	
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 (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	–	0.45	0.45
	Dy	ASTM D 1894	–	0.40	0.40
THERMAL					
Shrinkage (150°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	42	42
BARRIER					
WVTR (38 °C & 90% RH) (Max)		ASTM E 398	g / m ² / day (g / 100 inch ² / day)	35 (2.3)	28 (1.8)
OTR (23 °C & 0% RH) (Max)		ASTM D 3985	cc / m ² / day (cc / 100 inch ² / day)	80 (5.2)	70 (4.5)

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PROPERTIES	TEST METHOD	UNIT	J-231	
PHYSICAL				
Thickness	ASTM D 374	Micron (Gauge)	36(144)	
Yield	JPFTM	m ² /kg (in ² /lb)	19.8 (13900)	
OPTICAL				
Haze (Max)	ASTM D 1003	%	4.0	
Total Luminous Transmission	ASTM D 1003	%	89	
MECHANICAL				
Tensile Strength (Min)	MD	ASTM D 882	Kg/cm ² (psi)	1900 (27000)
	TD	ASTM D 882	Kg/cm ² (psi)	1800 (25600)
Elongation (Min)	MD	ASTM D 882	%	100
	TD	ASTM D 882	%	90
Coefficient of friction (Side-A / B) (Max)	St	ASTM D 1894	–	0.45
	Dy	ASTM D 1894	–	0.40
THERMAL				
Shrinkage (150°C / 30) (Max)	MD	ASTM D 1204	%	2.8
	TD	ASTM D 1204	%	0.4
SURFACE				
Wetting tension (coated side)	ASTM D 2578	dyne/cm	42	
BARRIER				
WVTR (38 °C & 90% RH) (Max)	ASTM E 398	g / m ² / day (g / 100 inch ² / day)	22 (1.4)	
OTR (23 °C & 0% RH) (Max)	ASTM D 3985	cc / m ² / day (cc / 100 inch ² / day)	50 (3.2)	

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