

Technical Data Sheet WrapTek

Non-Cross Linked POF Shrink Film **505**



Looking for an economical and versatile packaging solution that delivers unmatched value and durability? WrapTek 505 is our non-cross-linked film engineered to make your products look their absolute best, with an exceptionally clear and glossy finish that's sure to impress. Plus, its easy-to-seal design means you can package virtually any type of product quickly and efficiently, at lower temperatures as well.

SIGNIFICANT PROPERTIES

General Properties

- Superior transparency & gloss.
- Highly cost-effective.
- Less haze when packing.
- Easy to run on most types of equipment.

Sealing Properties

- Easy to seal at lower temperatures.
- Quick dwell times.
- Superior seal strength and consistency.
- Excellent puncture-resistance.

Shrinking Properties

- Balanced shrink for tight and crisp packages.
- Excellent cleanup for tight, attractive packages.
- High shrink force conforms to irregular shapes.

Bagla Group Shrink Films comply with the requirements and regulations of FDA and USDA which states that materials may be used in food contact applications.

STANDARD PUT-UPS

- Available Thickness: 12, 15, 19, 25, 30, microns.
- Single Wound Flat Film is available in custom widths from 75mm to 2540mm in 6.5mm increments.
- Center Folded Film is available in custom widths from 75mm to 1270mm in 13mm increments.
- Pouches are available in lengths of 100mm to 2000mm and openings of 100m to 1000mm.
- Center Folded Film has half the linear footage of single-wound flat film for the same thickness (in microns) and roll dimensions.
- Available as hot perforated and printed options as well.

APPLICATIONS

- Retail packaging
- Industrial packaging
- Food packaging
- Beverage packaging
- Medical packaging

TECHNICAL SPECIFICATIONS

Properties	ASTM Test Method	Unit	Thickness (Micron)				
			12	15	19	25	30
Haze	D1003	%	3	3.2	3.4	3.6	3
Gloss at 20°	D2457	GU	125	115	115	115	130
COF, Kinetic	D1894	gf	0.15	0.15	0.15	0.15	0.15
Shrinkage, 102°C (216°F)--10 Min	D1204	%(area)	50	50	50	50	50
Shrink Force (100°C)	D2838	N/mm	0.05	0.05	0.055	0.061	0.077
Stiffness Modulus (avg)	D882-80	MPa	413	413	413	379	379
Tensile Strength (avg)	D882	MPa	89.63	89.63	89.63	89.63	89.63
Elongation (avg)	D882	%	120	120	140	140	160
WVTR	F1249	g/h.m ² /24hr	29.6	23.5	27.7	14.4	15.5
Oxygen Transmission	D3985	cc/m ² /24hr	33.9	27.8	22.8	21.4	25.8
PIR Content	Internal	%	11	14	20	25	30

Note: These values are typical data for Bagla-Group shrink film and are not product release specifications, warranties or limiting specifications. Values are based on initial production and tests run during development of this film.

WrapTek 505 - Linear Footage of Center Folded Shrink Film

Core I.D. (mm)	Roll O.D. (mm)	Length (Meter)				
		12µm	15µm	19µm	25µm	30µm
76	242	1,600	1,334	1,067	800	640
76	330	3,200	2,667	2,134	1,600	1,280
152	280	1,600	1,777	1,334	1,067	800
152	356	3,200	3,554	2,667	2,134	1,600
152	476	7,108	7,108	5,334	4,267	3,200

Note: Single Wound Film has double the linear footage of center-fold film for the same thickness (in micron) and roll dimensions.

DISPOSAL

- Recycle (Dry or Wet processing to extrude into pellets)
- Waste to Energy (WtE) through incineration (most desirable)
- Land fill

STORAGE

- Storage below 32 degrees Celsius (90 degrees Fahrenheit) is recommended.



ADDITIONAL INFORMATION

SHELF LIFE: The typical shelf life of our POF Shrink Films is about 5 years when stored properly.

DISCLAIMER: The technical data contained herein are guides to the use of Bagla® products. Bagla Group makes no guarantees of results and assumes no obligations or liability in connection with its advice.

Head Office

- New Delhi

Factories

- 3 in Mundra, India
- 1 in Kolkata, India
- 1 in Dadri, India
- 1 in Ciudad del Este, Paraguay
- 1 in Surabaya, Indonesia

Domestic Sales Office

- Delhi • Mumbai • Kolkata • Cochin
- Bangalore • Hyderabad • Chennai • Bhopal

Key Markets

- USA • Canada • Mexico • Germany
- UK • France • Italy • Spain
- Poland • Brazil • Argentina • Australia

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