Technical Data Sheet

WrapTek

Low Energy POF Shrink Film **Soft**

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WrapTek Soft is a thin polyolefin film that can shrink under heat. It is designed to be a "low energy" film, which means that it applies minimum force when it shrinks. This makes it perfect for wrapping products that usually collapse or curl while being wrapped. The film is very easy to use and can be applied on all kinds of equipment. It helps to create attractive packages without requiring any major fine-tuning or causing rejects.

SIGNIFICANT PROPERTIES

General Properties

- Exceptional film durability, even at freezer temperature.
- Superior cold and hot slip.
- Excellent tear resistance.
- Does not embrittle with age.
- Superior gloss, clarity, and transparency.

Sealing Properties

- No corrosion on sealing wires or equipment.
- No carbon deposit residue on sealing wires.
- Strong and durable seals over a wide temperature range.

Shrinking Properties

- Offers the lowest shrink force.
- Very clean shrink appearance with excellent conformity of shrinkage.
- Delivers a clean shrink appearance consistently.
- Compatible with all air evacuation systems.

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: 10,11,15,19,25 and 50 microns as cross-linked and non-cross linked variants.
- 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.
- Avaliable as hot perforated and printed options as well.

APPLICATIONS

- Air filters
- Stationery items
- Thin magazines, paper pads, stickers
- Bundled or unitized printed products

TECHNICAL SPECIFICATIONS

Properties		Unit	Test Method	Thickness (Micron)					
				10	11	15	19	25	50
Yield		m^2/kg	-	87.3	87.6	73.6	57.86	43.8	22.1
Unit Weight		g/m^2	-	11.2	11.4	13.6	17.2	22.8	45.3
Max Storage Temperature		oC	-	35	35	35	35	35	35
Heat Shrinkage	MD	%	120 oC, Hot Air, 10 min	81	81	81	81	81	81
	TD			75	75	75	75	75	75
Tensile Strength	MD	MPa	ASTM D 882	148	149	158	125	144	85
	TD			138	148	165	130	145	80
Elongation at Break	MD	%	ASTM D 882	125	149	154	170	168	210
	TD			125	150	150	185	180	185
Coefficient of Friction	F/F	-	ASTM D 1894	0.24	0.24	0.24	0.24	0.24	0.20
Tear Strength	MD	GF	ASTM D 1922	7	9	10	11	19	35
	TD			8	10	11	12	20	40
Haze		%	ASTM D 1003	4	4	4.5	5	6	10

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 Soft - Linear Footage of Center Folded Shrink Film

Core I.D. (mm)	Roll O.D. (mm)	Length (Meter)					
		10µm	11µm	15µm	19µm	25µm	50µm
76	242	2,000	1,777	1,334	1,067	800	533
76	330	4,000	3,554	2,667	2,134	1,600	1,067
152	280	2,000	1,777	1,334	1,067	800	533
152	356	4,000	3,554	2,667	2,134	1,600	1,067
152	476	8,000	7,108	5,334	4,267	3,200	2,134

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 Fahrenhiet) 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.

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