

# BX-UltraSoft

Low Energy Shrink Film



BX-UltraSoft 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: 40, 45, 60 and 75 gauge as cross-linked and non-cross linked variants.
- Single Wound Flat Film is available in custom widths from 3" to 100" in 1/4" increments.
- Center Folded Film is available in custom widths from 3" to 50" in 1/2" increments.
- Shrink Pouches are available in lengths of 4" to 80" and openings of 4" to 40".
- Center Folded Film has half the linear footage of single-wound flat film for the same thickness (in gauge) and roll dimensions.

## APPLICATIONS

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

# TECHNICAL SPECIFICATIONS

Properties	ASTM Test Method	Unit	Thickness (gauge)			
			40	45	60	75
Haze	D1003	%	2.5	2.5	2.5	3
Gloss at 20°	D2457	GU	130	125	130	130
COF, Kinetic	D1894	-	0.1	0.1	0.1	0.1
Shrinkage, 102°C (216°F)--10 Min	D1204	%(area)	65	65	65	65
Shrink Force (100°C)	D2838	g/in	35	40	50	60
Stiffness Modulus (avg)	D882	kpsi	25	25	25	25
Tensile Strength (avg)	D882	kpsi	5	6	7	8
Elongation (avg)	D882	%	90	110	125	140
Tear Strength(avg) (Elmendorf)	D1922	g	15	20	25	30
Spencer Impact	D3985	lbf	2	2.1	2.3	2.5
WVTR	F1249	g/100 in <sup>2</sup> /24 hr	3.5	3.4	3.3	3
Oxygen Transmission	D3985	cc/100 in <sup>2</sup> /24 hr	900	890	860	820
Co <sub>2</sub> Transmission	C1434	cc/100 in <sup>2</sup> /24 hr.	2700	2650	2550	2450

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.

## BX-UltraSoft - Linear Footage of Center Folded Shrink Film

Core I.D. (Inches)	Roll O.D. (Inches)	Length (feet)			
		40 gauge	45 gauge	60 gauge	75 gauge
3	9 <sup>1/2</sup>	13,120	11,850	9,540	7,500
3	13	26,240	23,700	19,080	15,000
6	11	13,120	11,850	9,540	7,500
6	14	26,240	23,700	19,080	15,000
6	18 <sup>3/4</sup>	52,480	47,400	38,160	30,000

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



## DISCLAIMER

Bagla® films technical data is based on reliable tests & information. Still, users should not solely rely on this advice for specific applications, as performance properties may vary based on processing conditions. Users assume this information at their own risk & independent confirmation of its validity and suitability for specific cases is recommended. Bagla Group does not guarantee results & assumes no liability in connection with its advice. This publication does not grant a license to operate or recommend patent infringement.

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