

# 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: 12, 15, 19 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.
- Shrink Pouches are available in lengths of 100mm to 2000mm and openings of 100mm to 1000mm
- Center Folded Film has half the linear footage of single-wound flat film for the same thickness (in microns) 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 (Micron)		
			12	15	19
Haze	D1003	%	2.5	2.7	3
Gloss at 20°	D2457	GU	130	130	130
COF, Kinetic	D1894	-	0.1	0.1	0.1
Shrinkage, 102°C (216°F)--10 Min	D1204	%(area)	60	60	60
Shrink Force (100°C)	D2838	N/mm	0.027	0.029	85
Stiffness Modulus (avg)	D882	MPa	207	207	207
Tensile Strength (avg)	D882	MPa	62	62	62
Elongation (avg)	D882	%	125	130	130
Tear Strength(avg) (Elmendorf)	D1922	N	0.15	0.18	0.24
Spencer Impact	D3985	kgf	2.72	3.17	3.63
WVTR	F1249	g/h.m <sup>2</sup> /24 hr	51.1	49.6	46.5
Oxygen Transmission	D3985	cc/m <sup>2</sup> /24 hr	55.4	54.7	52.8
Co <sub>2</sub> Transmission	C1434	cc/m <sup>2</sup> /24 hr.	164	161	158

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. (mm)	Roll O.D. (mm)	Length (Meter)		
		12µm	15µm	19µm
76	242	1,600	1,334	1,067
76	330	3,200	2,667	2,134
152	280	1,600	1,334	1,067
152	356	3,200	2,667	2,134
152	476	-	5,334	4,267

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.



## 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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