

# BX-Ultra

Standard Cross Linked POE Shrink Film



BX-Ultra polyolefin shrink film is the perfect solution for your packaging needs. Its advanced cross-linked technology ensures robust and long-lasting packaging for all types of products. This versatile film is incredibly easy to use and delivers improved clarity and strength. Compatible with all shrink-wrap machines, it offers a wide operating window, making it suitable for a diverse range of applications. Don't settle for anything less than the best - choose BX-Ultra.

## SIGNIFICANT PROPERTIES

### General Properties

- High gloss, clarity, and transparency
- Good tear resistance provides a safe & durable wrap on products
- High tensile strength makes it suitable for product bundling
- Compatible with all Shrink Wrap Machines

### Sealing Properties

- Crosslinked Technology provides consistent sealing
- Wide sealing temperature range
- Strong and Durable seals
- Less Residue

### Shrinking properties

- Balanced shrink for tight and crisp packages
- Excellent cleanup for tight, attractive packages
- High shrink force conforms to irregular shapes
- Stronger heat resistance and cold resistance

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, 30, 38 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.
- 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

- Retail packaging
- Industrial packaging
- Pallet wrapping
- Bundling, Multipacking & Unitizing Products
- Shrink Sleeving

# TECHNICAL SPECIFICATIONS

Properties	ASTM Test Method	Unit	Thickness (Micron)						
			10	11	15	19	25	30	38
Haze	D1003	%	2	2	2.5	2.5	3	3	3
Gloss at 20°	D2457	GU	135	135	135	135	130	130	130
COF, Kinetic	D1894	gf	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Shrinkage, 102°C (216°F)--10 Min	D1204	%(area)	50	50	50	50	50	50	50
Shrink Force (100°C)	D2838	N/mm	0.03	0.032	0.05	0.055	0.061	0.077	0.077
Stiffness Modulus (avg)	D882	MPa	413	413	413	413	379	379	344
Tensile Strength (avg)	D882	MPa	103	103	103	103	103	103	103
Elongation (avg)	D882	%	125	130	145	150	160	160	170
WVTR	F1249	g/h.m <sup>2</sup> /24hr	29.4	32.5	23.2	21.7	15.5	13.9	12.4
Oxygen Transmission	D3985	cc/m <sup>2</sup> /24hr	55.1	58	38.6	32.2	25.8	25.8	19.3
PIR Content	Internal	-	30	30	30	30	30	30	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.

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

Core I.D. (mm)	Roll O.D. (mm)	Length (Meter)						
		10µm	11µm	15µm	19µm	25µm	30µm	38µm
76	242	2,000	1,777	1,334	1,067	800	664	533
76	330	4,000	3,554	2,667	2,134	1,600	1,329	1,067
152	280	2,000	1,777	1,334	1,067	800	664	533
152	356	4,000	3,554	2,667	2,134	1,600	1,329	1,067
152	476	8,000	7,108	5,334	4,267	3,200	2,658	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 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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