



BX Earth - 60 represents a significant leap forward in sustainable packaging solutions. This innovative film incorporates 60% Post Consumer Recycled (PCR) Content, reducing reliance on virgin plastic and minimizing environmental footprint. Additionally, it boasts AENOR Certification, a testament to its compliance with stringent European regulatory standards.

## 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

- Ensures strong & durable seals
- Operates on a wide sealing temperature range
- Superior ease of use manually as well on high-speed automatic shrink equipment.

### Shrinking Properties

- High shrink force for bundling and multipacking.
- Superior puncture resistance to protect your products effectively.
- Excellent shrink performance for secure and tamper-evident seal.

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: Available Thickness: 40, 45, 60, 75, 100, 120, 150 gauge in Cross Linked Variants and 50, 60, 75, 100, 120, gauge in 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".

## APPLICATIONS

- Retail packaging
- Industrial packaging
- Bundling, Multipacking & Unitizing Products



# TECHNICAL SPECIFICATIONS

| Properties                       | ASTM Test Method | Unit                         | Non-Cross Linked POF Shrink Film Thickness (gauge) |      |       |      |      |
|----------------------------------|------------------|------------------------------|--|------|-------|------|------|
|                                  |                  |                              | 50   | 60   | 75    | 100  | 120  |
| 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            | g/in                         | 130  | 130  | 145   | 160  | 200  |
| Stiffness Modulus (avg)          | D882-80          | kpsi                         | 60   | 60   | 60    | 55   | 55   |
| Tensile Strength (avg)           | D882             | kpsi                         | 13   | 13   | 13    | 13   | 13   |
| Elongation (avg)                 | D882             | %                            | 120  | 120  | 140   | 140  | 160  |
| WVTR                             | F1249            | g/100 in <sup>2</sup> /24hr  | 1.91   | 1.52 | 1.179 | 0.93 | 1    |
| Oxygen Transmission              | D3985            | cc/100 in <sup>2</sup> /24hr | 527  | 431  | 344   | 333  | 400  |
| PCR Content                      | Internal         | %                            | 60   | 60   | 60    | 60   | 60   |

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-Earth - Linear Footage of Center Folded Shrink Film

| Core I.D. (Inches) | Roll O.D. (Inches) | Length (feet) |          |          |           |           |
|--------------------|--------------------|---------------|----------|----------|-----------|-----------|
|                    |                    | 50 gauge      | 60 gauge | 75 gauge | 100 gauge | 120 gauge |
| 3                  | 9 <sup>1/2</sup>   | 5,250         | 4,375    | 3,500    | 2,625     | 2,100     |
| 3                  | 13                 | 10,500        | 8,750    | 7,000    | 5,250     | 4,200     |
| 6                  | 11                 | 5,250         | 5,830    | 4,375    | 3,500     | 2,625     |
| 6                  | 14                 | 10,500        | 11,660   | 8,750    | 7,000     | 5,250     |
| 6                  | 18 <sup>3/4</sup>  | 21,000        | 23,320   | 17,500   | 14,000    | 10,500    |

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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