



WrapTek Earth represents a significant leap forward in sustainable packaging solutions. This innovative film incorporates 60% Recycled Content (30% PCR, 30% PIR), 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.

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.
- Pouches are available in lengths of 4" to 80" and openings of 4" to 40".
- Available as hot perforated and printed options as well.

APPLICATIONS

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



TECHNICAL SPECIFICATIONS

| Properties | ASTM Test Method | Unit | Cross Linked POF Shrink Film Thickness (gauge) | | | | | | |
|----------------------------------|------------------|-----------------|--|-----|-----|-----|-----|-----|-----|
| | | | 40 | 45 | 60 | 75 | 100 | 120 | 150 |
| 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 | g/in | 80 | 85 | 130 | 145 | 160 | 200 | 240 |
| Stiffness Modulus (avg) | D882 | kpsi | 60 | 60 | 60 | 60 | 55 | 55 | 50 |
| Tensile Strength (avg) | D882 | kpsi | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Elongation (avg) | D882 | % | 125 | 130 | 145 | 150 | 160 | 160 | 170 |
| WVTR | F1249 | g/100 in²/24hr | 1.9 | 2.1 | 1.5 | 1.4 | 1 | 0.9 | 0.8 |
| Oxygen Transmission | D3985 | cc/100 in²/24hr | 855 | 900 | 600 | 500 | 400 | 400 | 300 |
| PCR Content | Internal | - | 60 | 60 | 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.

WrapTek Earth - 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 | 100 gauge | 120 gauge | 150 gauge |
| 3 | 9 ^{1/2} | 6,560 | 5,830 | 4,375 | 3,500 | 2,625 | 2,180 | 1,750 |
| 3 | 13 | 13,120 | 11,660 | 8,750 | 7,000 | 5,250 | 4,360 | 3,500 |
| 6 | 11 | 6,560 | 5,830 | 4,375 | 3,500 | 2,625 | 2,180 | 1,750 |
| 6 | 14 | 13,120 | 11,660 | 8,750 | 7,000 | 5,250 | 4,360 | 3,500 |
| 6 | 18 ^{3/4} | 26,240 | 23,320 | 17,500 | 14,000 | 10,500 | 8,720 | 7,000 |

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 Group 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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- New Delhi

Factories

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- 1 in Kolkata, India
- 1 in Dadri, India
- 1 in Ciudad del Este, Paraguay
- 1 in Surabaya, Indonesia

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Key Markets

- USA • Canada • Mexico • Germany
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