Technical Data Sheet

WrapTek Earth

POF Shrink Film with 60% Recycled Content

bagla GROUP | Let's innovate Packaging!

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”.
- Avaliable as hot perforated and printed options as well.

APPLICATIONS

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

60% Recycled Content

AENOR certified

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.

ADDITIONAL INFORMATION

SHELF LIFE: The typical shelf life of our POF Shrink Films is about 5 years when stored properly.

DISCLAIMER: The technical data contained herein are guides to the use of Bagla® products. Bagla Group makes no guarantees of results and assumes no obligations or liability in connection with its advice.

Head Office
• New Delhi

Factories
• 3 in Mundra, India
• 1 in Kolkata, India
• 1 in Dadri, India
• 1 in Ciudad del Este, Paraguay
• 1 in Surabaya, Indonesia
• 1 in Tamaulipas, Mexico

Domestic Sales Office
• Delhi • Mumbai • Kolkata • Cochin
• Bangalore • Hyderabad • Chennai • Bhopal

Key Markets
• USA • Canada • Mexico • Germany
• UK • France • Italy • Spain
• Poland • Brazil • Argentina • Australia

bagla GROUP | Let's innovate Packaging!