Technical Data Sheet

WrapTek

POF Shrink Film with 60% Recycled Content **Earth**

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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	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^2/24hr	1.91	1.52	1.179	0.93	1
Oxygen Transmission	D3985	cc/100 in^2/24hr	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.

WrapTek 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	$9^{1/2}$	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	$18^{3/4}$	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.

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.

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