Technical Data Sheet

WrapTek Earth

POF Shrink Film with 60% Recycled Content

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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: 10, 11, 15, 19, 25, 30, 38 microns in Cross Linked Variants and 12,15,19, 25, 30 microns in non cross linked variants.
- 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 to1270mm in 13mm increments.
- Pouches are available in lengths of 100mm to 2000mm and openings of 100m to 1000mm
- 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 (Microns)				
			12	15	19	25	30
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	N/mm	0.05	0.05	0.055	0.061	0.077
Stiffness Modulus (avg)	D882-80	MPa	413	413	413	379	379
Tensile Strength (avg)	D882	MPa	89.63	89.63	89.63	89.63	89.63
Elongation (avg)	D882	%	120	120	140	140	160
WVTR	F1249	g/h.m²/24hr	29.6	23.5	27.7	14.4	1`5.5
Oxygen Transmission	D3985	cc/m²/24hr	33.9	27.8	22.8	21.4	25.8
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. (mm)	Roll O.D. (mm)	Length (Meter)				
		12µm	15µm	19µm	25µm	30µm
76	242	1,600	1,334	1,067	800	640
76	330	3,200	2,667	2,134	1,600	1,280
152	280	1,600	1,777	1,334	1,067	800
152	356	3,200	3,554	2,667	2,134	1,600
152	476	7,108	7,108	5,334	4,267	3,200

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 Fahrenhiet) 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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