Technical Data Sheet

WrapTek

Heavy Gauge POF Shrink Film **Tough**

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WrapTek Tough heavy gauge shrink films are the strongest shrink films on the market. This film can be used as a primary packaging medium for shipping products. It is a great alternative to bulky corrugate and heavy-gauge polyethylene packing material. This shrink film has unprecedented strength.It is also high-abuse and tamper resistant to ensure the product's protection during the most abusive distribution channels and still retain a great retail shelf appeal.

SIGNIFICANT PROPERTIES

General Properties

- Heavier Thickness.
- Abuse and Tamper Resistance.
- Increases production rates and throughputs.
- Minimizes packaging and labor costs.

Sealing Properties

- High shrink force for bundling and multipacking.
- Strong, durable seals due to heavy film thickness.
- Conforms to irregular shapes.
- Excellent tear and puncture resistance.

Shrinking Properties

- High shrink force for bundling and multipacking.
- Excellent resistance to burn-through.
- Compatible with all air evacuation systems.

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: 50 and 70 microns as cross-linked and 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
- Center Folded Film has half the linear footage of single-wound flat film for the same thickness (in microns) and roll dimensions.
- Avaliable as hot perforated and printed options as well.

APPLICATIONS

- Packaging Bulky Items
- Bundling Products
- E-commerce Products

TECHNICAL SPECIFICATIONS

Properties	ASTM Test Method	Unit	Thickness (Micron)	
			50	75
Haze	D1003	%	4.5	6.5
Gloss at 20°	D2457	GU	130	120
COF,Kinetic	D1894	-	0.2	0.2
Stiffness Modulus(avg)	D882	MPa	324	248
Tensile Strength(avg)	D882	MPa	103	89
Elongation (avg)	D882	%	170	185
WVTR	F1249	g /h.m²/ 24 hr	7.75	4.65
Tear Propogation	D1938	gms		
PIR Content	Internal	%	30	30

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 Tough - Linear Footage of Center Folded Shrink Film

Core I.D. (mm)	Roll O.D. (mm)	Length (Meter)	
		50µm	75µm
76	242	360	323
76	330	719	646
152	280	360	323
152	356	719	646
152	476	1,439	1,292

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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