

# BOLPHANE® BNAT-F

Sustainable Solution –Ultrathin crosslinked multipurpose shrink film

**BNAT-F** is an ultrathin cross-linked packaging shrink film developed on a basis of **green** polyethylene. It consists of more than **20%** of polyethylene produced from bio-source resin. Besides coming from a renewable natural source, this **green** PE provides the same performances as a fossil polyethylene, can be recycled and contributes to minimizing the carbon footprint.



**RENEWABLE  
RESOURCE**



The “Perfect Fit” for all your packaging film needs.

## Advantages

- An exceptional mechanical resistance assures protection and product integrity.
- B-NAT-F is easy to seal and shrink and thus compatible on a wide variety of packaging equipment .
- On the most demanding shapes and configuration, B-NAT-F combines toughness and softness and provides a high profile display with good shelf appearance.
- Store drop off approved.





Technical Properties	Test Unit	Test Method		
			BNAT-F	
Presentation				
Gauge			60	
Roll Length Singlewound	FT		8750	
Roll Length Centerfold	FT		4375	
Width Singlewound	in	Min: 4in Max: 78in Increment .25in		
Width Centerfold	in	Min: 5in Max: 40in Increment 1in		
Friction Coefficients ( Film to Film)				
Static		ASTM D1894	0.25	
Kinetic			0.18	
Optical Properties				
Haze	%	ASTM D1003-A	3.4	
Gloss at 20°		ASTM D2457	115	
Shrinkage Properties			LD*	TD*
Free Shrink at 200°F	%	ATSM D2732	16	18
Free Shrink at 260oF			70	71
Mechanical Properties			LD*	TD*
Stiffness modulus	Mpa	ASTM D882	350	350
Elongation at break	%	ASTM D882	130	135
Tensile strength	PSI	ASTM D882	1600	1600
Barrier Properties				
Water vapor transmission rate 100°F, 95% RH)	G/100in²/24hr/ atm	ASTM E96	17	
O2 transmission rate (73°F, 100% RH)	cm3/100in²/24hr/ 1 atm	ASTM D1434	10700	

## Contact Us

Give us a call for more information about our services and products

**Bolloré Inc**  
60 Louisa Viens Drive  
Dayville, CT 06241

1-800-343-0358

[customer.service@bolloreinc.com](mailto:customer.service@bolloreinc.com)

[sales@bolloreinc.com](mailto:sales@bolloreinc.com)

Visit us on the web at  
[www.bolloreinc.com](http://www.bolloreinc.com)