

BOLPHANE® BNAT-O

Sustainable Solution –Ultrathin multipurpose shrink film

Ultrathin display shrink film on the basis of a **green** polyethylene standard multipurpose. **B-Nat-O** is an ultrathin packaging shrink film developed on a basis of **green** polyethylene. It consists of more than **40%** of a polyethylene produced from a 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

- **B-Nat-O** is developed to offer the most attractive shelf presentation. Its optical properties are enhanced.
- Its cohesive strength makes it a good candidate for multi-packaging applications.
- The unique technical properties of **B-NAT-O** ensure excellent results on automatic high speed machines .





Technical Properties	Test Unit	Test Method		
			BNAT-O	
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	0.4	
Kinetic			0.12	
Optical Properties				
Haze	%	ASTM D1003-A	3	
Gloss at 20°		ASTM D2457	114	
Shrinkage Properties			LD*	TD*
Free Shrink at 200°F	%	ATSM D2732	15	20
Free Shrink at 260oF			22	28
Mechanical Properties			LD*	TD*
Stiffness modulus	Mpa	ASTM D882	500	600
Elongation at break	%	ASTM D882	90	100
Tensile strength	PSI	ASTM D882	1000	1100
Barrier Properties				
Water vapor transmission rate 100°F, 95% RH)	G/100in²/24hr/ atm	ASTM E96	19	
O2 transmission rate (73°F, 100% RH)	cm3/100in²/24 hr/ 1 atm		ASTM D1434	8000

Contact Us

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

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