



B-Nat-O

B-Nat-O

Sustainable Solutions

Technical properties	Test unit	Test Method	Values	
Reference			BNAT-O	
Presentation				
Grade			60	
Roll Length- Singlewound (S)	feet		8750	
Roll Length- Centerfolded (C)	feet		4375	
Friction coefficients (film to film)				
Static		ASTM D1894	0.40	
Dynamic		ASTM D1894	0.12	
Optical properties				
Haze	%	ASTM D1003-A	3	
Gloss at 20°		ASTM D2457	114	
Shrinkage properties			LD*	TD*
Free shrink at 93°	%	ASTM D2732	15	20
Free shrink at 120°	%	ASTM D2732	58	60
Shrink force	kg/cm ²	NFT 54-125	22	28
Mechanical properties			LD*	TD*
Stiffness modulus	Mpa	ASTM D882	500	600
Elongation at break	%	ASTM D882	90	100
Tensile strength	Kg/cm ²	ASTM D882	1 000	1 100
Barrier properties				
Water vapor transmission rate	g/m ² /24h 38°C, 95% HR	ASTM E96	19	
Oxygen transmission rate	cm ³ /m ² /24h 23°C, 0% HR	ASTM D3985	8000	



Bolphane[®]

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Ultrathin display shrinkfilm 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 for more than 40% of a 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 minimising the carbon footprint.

- **B-Nat[®] O** is developed to offer the most attractive shelf presentation. Its optic properties are optimized.
- Its cohesive strength makes it a good candidate for multipackaging applications.
- The unique technical properties of **B-Nat-O** ensure excellent results to automatic high speed machines.



Disposal

Options for disposal are recycling (compatible with SPI code 4/PE-LD), incineration with energy recovery and landfill. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial and local regulations.

Food contact

Complies with EU and US regulations on food contact materials.

See the « Declaration of Conformity » of concerned film reference for details.

Film storage

The maximum temperature for storage is 90° F, with a maximum of 80% RH, up to one year.



60 Louisa Veins Drive, Dayville, CT 06241
800-343-0358
www.bolloreinc.com