



Bolphane®

B-Nat-F

B-Nat-F

Sustainable Solutions

Technical properties	Test unit	Test Method	Values	
Reference			BNAT-F	
Presentation				
Grade			60	
Roll Length- Singlewound (S)	feet		8750	
Roll Length- Centerfolded (C)	feet		4375	
Friction coefficients (film to film)				
Static		ASTM D1894	0.25	
Dynamic		ASTM D1894	0.18	
Optical properties				
Haze	%	ASTM D1003-A	3.4	
Gloss at 20°		ASTM D2457	115	
Shrinkage properties			LD*	TD*
Free shrink at 93°	%	ASTM D2732	16	18
Free shrink at 120°	%	ASTM D2732	70	71
Shrink force	kg/cm ²	NFT 54-125	22	30
Mechanical properties			LD*	TD*
Stiffness modulus	Mpa	ASTM D882	350	350
Elongation at break	%	ASTM D882	130	135
Tensile strength	Kg/cm ²	ASTM D882	1 600	1 600
Barrier properties				
Water vapor transmission rate	g/m ² /24h 38°C, 95% HR	ASTM E96	17	
Oxygen transmission rate	cm ³ /m ² /24h 23°C, 0% HR	ASTM D3985	10700	



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 Ultrathin display shrinkfilm on the basis of a green polyethylene high toughness crosslinked.

B-Nat® F is an ultrathin packaging shrink film developed on a basis of green polyethylene. It consists for more than 20% 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.

- An exceptional mechanical resistance assures protection and product integrity.
- **B-Nat® F** is easy to seal and shrink and thus compatible with a wide variety of packaging equipments.
- On the most demanding shapes and configurations, **B-Nat® F** combines toughness and softness and provides a high profile display film with good shelf appearance.



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.



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