



Bolloré

Sustainable development: a company strategy

Bolloré group incessantly seeks to improve the quality of the products and services it offers. The group is eager to **reduce the environmental Footprint** of its activities, while respecting the regulations and standards in force.

Pioneer in **ultrathin** packaging (ranging from 9 to 25 microns), the Plastic Films Division has always been focused on **resources savings** and **recyclability**.

- **Longer Footage** per roll means less machine stops and less transportation volume. Also, less packaging materials (boxes, cores, pallets) need to be treated.
- Shrinkage and seal occur at **low**
- Our specific manufacturing process makes that films in the Bolphane® range benefit from a **high resistance**, and thus allow the substitution of thicker films.

B-Nat® is fully integrated in this process.



www.gezealles.com

For information
and samples:

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B-Nat[®]

Bio-based PE shrink film



Bolloré

Ultrathin packaging



B-Nat[®]

A new generation of ultrathin shrinkfilm

Bolloré launches **B-Nat[®]**, the first ultrathin packaging shrink film on a basis of green polyethylene.

B-Nat[®] consists for more than 40% of a polyethylene produced from sugarcane ethanol.



A sustainable alternative to fossil raw materials

In the current global context of high fossil fuel dependency, and facing the depletion of the planet's resources, sugarcane derived ethylene is a **sustainable alternative**.

Natural resources are renewable. The green polyethylene resulting therefrom provides the **same performance** as a fossil polyethylene. At the end of its useful life, the **recycling properties** are **identical** to those of a petrochemical PE.

Sugarcane for a lower environmental impact

Bolloré has chosen a green PE from Brasil-based supplier **Braskem**.

- > Sugarcane captures and **sequesters more CO₂** in its lifecycle than soybean and corn, two other sources for green polyethylene production.
- > Its cultivation does not occur on arable land and has no impact on food production
- > Sugarcane is **water efficient** to other bio-based

B-Nat[®] is developed to **minimize its environmental impact**.

B-Nat[®]

Exceptional characteristics

- > **B-Nat[®]** is developed to offer the **most attractive shelf presentation**. Therefore, its **optic properties** were reinforced.
- > Its **cohesion strength** makes it a good candidate for **multipacking** applications.
- > The unique technical properties of **B-Nat[®]** ensure **excellent results**, from **manual** to **automatic high speed** machines.
- > **B-Nat[®]** is available in thickness 60 gauge, as **flat** or **centerfolded**.
- > Information on **printed B-Nat[®]** can be obtained on simply request.

Properties	60 Gauge	
Gloss at 20°	114	
Haze (%)	3	
Free shrink (%)	at 93° C	30
	at 120° C	65
Seal strength (N/30 mm)	at 120° C	23
Roll length (m)	Singlewound	8760
	Centerfolded	4380
Inner core diameter (inch)	3.5	
Outer roll diameter (inch)	9	

