



# BOLPHANE R<sup>3</sup>

**RENEW  
REDUCE  
RECYCLE**

## BXX

Ultrathin display shrinkfilm on the basis of bi-oriented polyethylene (BO-PE) with electrostatic sealing

- Specially dedicated to electrostatic sealing
- Outstanding flatness, stiffness and slip for high output machines
- Excellent optical characteristics

Electrostatic seal capability and optical characteristics of **BXX** make it the preferred candidate for overwrapping boxes whenever a perfect presentation is requested. This film is especially designed to achieve the maximum shelf appeal.

Thanks to its outstanding flatness and enhanced slip, **BXX** performs the best on high speed machines with forming box.

**BXX** is especially formulated in order to achieve a strong electrostatic seal with almost invisible overlap.



## 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 32° C, with a maximum of 80% RH, up to one year.



**BOLLORE**  
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## BXX Technical Specifications

Technical properties	Test unit	Test Method	Values
<b>References</b>			<b>BXX15</b>
<b>Presentation</b>			
Grade			15
Roll Length -Singlewound film (S)	m		2 670
Width - singlewound (S)	mm	mini : 150 - maxi : 1 400 - increment : 5	
<b>Friction coefficients ( film to film)</b>			
Static		ASTM D1894	0.47
Dynamic		ASTM D1894	0.28
<b>Optical properties</b>			
Haze	%	ASTM D1003-A	3.0
Gloss at 20°		ASTM D2457	120
<b>Shrinkage properties</b>			<b>LD*      TD*</b>
Free shrink at 93°	%	ASTM D2732	13      21
Free shrink at 120°	%	ASTM D2732	57      61
Shrink force	Kg/cm <sup>2</sup>	NFT 54-125	27      35
<b>Mechanical properties</b>			<b>LD*      TD*</b>
Stiffness modulus	Mpa	ASTM D882	700      800
Elongation at break	%	ASTM D882	97      100
Tensile strength	Kg/cm <sup>2</sup>	ASTM D882	1 400      1 400
<b>Barrier properties</b>			
Water vapor transmission rate	g/m <sup>2</sup> /24h 38°C, 95% HR	ASTM E96	19
Oxygen transmission rate	cm <sup>3</sup> /m <sup>2</sup> /24h 23°C, 0% HR	ASTM D3985	8 000

\* LD = Longitudinal Direction  
\* TD = Transversal Direction

Characteristics are those of a non-perforated film.



The technical features of the products defined herein are given as typical values. They are the best information available to us and we believe them to be reliable. Users have to check-up that they are suitable with all the applications as performance may vary with processing conditions. Unless previous warning, BOLLORÉ has the right to change at any time the definition and technical features of its products.