

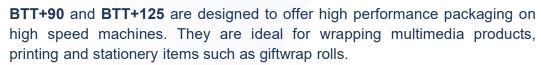
## **BOLPHANE**

RENEW REDUCE RECYCLE

**BTT+** 90 - 125

Ultrathin display shrinkfilm on the basis of bi-oriented polyethylene (BO-PE) outstanding yield

- Outstanding shrinkage and fast sealing at low temperature
- Hot slip properties
- Enhanced stiffness to optimise the passage on high speed machines
- Increased optical quality for optimum shelf presentation



Exceptional shrink characteristics make them the most adapted film for packing irregularly shaped items.



### **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.



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.















RENEW REDUCE RECYCLE

# BTT+ 90 - 125 Technical Specifications

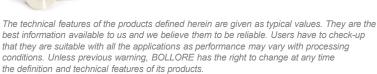
Technical properties	Test unit	Test method	Values			
Reference			BTT+90		BTT+125	
Presentation						
Grade			90		125	
Roll Length- Singlewound	m		4 600		3 500	
Roll Length- Centerfolded	m		2 300		1 750	
Width - singlewound (S)	mm	<u>mini</u>	<u>nini</u> : 150 - <u>maxi</u> : 1 400 - <u>increment</u> : 5			
Width - centerfolded (C )	mm	<u>mini</u> :	150 - <u>maxi</u> : 1 000 - <u>increment</u> : 50			
Friction coefficients ( film to film	n)					
Static		ASTM D1894	0.25		0.23	
Dynamic		ASTM D1894	0.16		0.16	
Optical properties						
Haze	%	ASTM D1003-A	3		3	
Gloss at 20°		ASTM D2457	114		114	
Shrinkage properties			LD*	TD*	LD*	TD*
Free shrink at 93°	%	ASTM D2732	40	40	30	38
Free shrink at 120°	%	ASTM D2732	70	68	66	67
Shrink force	Kg/cm²	NFT 54-125	28	30	27	28
Mechanical properties			LD*	TD*	LD*	TD*
Stiffness modulus	Мра	ASTM D882	500	550	550	600
Elongation at break	%	ASTM D882	95	100	100	110
Tensile strength	Kg/cm²	ASTM D882	1 150	1 100	1 150	1 100
Barrier properties						
Water vapor transmission rate	g/m²/24h 38°C, 95% HR	ASTM E96	48		37	
Oxygen transmission rate	cm <sup>3</sup> /m <sup>2</sup> /24h 23°C, 0% HR	ASTM D3985	16 700		13 000	

<sup>\*</sup> LD = Longitudinal Direction

Characteristics are those of a non-perforated film



BTT+ 90 is pre-perforated in its standard centerfolded version (BTT+90 HC).





<sup>\*</sup> TD = Transversal Direction