

Multipurpose polyolefin shrink film

DESCRIPTION

Bolphane BE has very good mechanical properties, which makes it suitable for many machines and applications as centerfolded film

- Good optical properties.
- Optimized pre-perforation for controlled shrinkage kinetics.



- High cohesion strength, recommended for multipacking applications



Bolphane BE is available solely centerfolded .

FOOD CONTACT STATUS

BOLPHANE shrink films are made of ingredients complying with the current French and European regulations (Directive 2002/72/CE - Decret n° 92-631 du 08.07.92). They are free from chlorinated compounds and phthalates. They have also passed successfully the global migration tests according to the EC procedure.

BOLPHANE shrink films comply with U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520-olefin polymer, allowing use for articles that contact food, except for articles used for packing or holding food during cooking.

The heavy metals content is lower than 100 ppm

DISPOSAL CONSIDERATION

Options for disposal are recycling, incineration with energy recovery, and landfill. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

STORAGE CONDITIONS

The maximum temperature recommended for long-term storage is 32 °C, with 80 % RH, up to one year.

TECHNICAL CHARACTERISTICS

Property	Units	Test Method	Typical Values			
			BE15C		BE19C	
Designation						
Coefficient of friction (Film on Film)		ASTM D1894				
Static			0.32	0.32	0.32	0.32
Kinetic			0.23	0.23	0.23	0.23
Haze	%	ASTM D1003-A	2.6		2.9	
Gloss at 20°		ASTM D2457	120		120	
Free Shrink : at 93 °C at 104 °C at 115 °C at 126 °C	%	ASTM D2732 LD /TD	LD	TD	LD	TD
			16	25	13	20
			33	43	26	33
			53	61	53	58
			68	65	65	66
Shrink Tension	Kg/cm ²	NFT 54-125 LD/TD	LD	TD	LD	TD
			27	35	25	31
Stiffness Modulus	Mpa	ASTM D882 LD/TD	LD	TD	LD	TD
			590	690	590	690
Elongation at break	%	ASTM D882 LD/ TD	LD	TD	LD	TD
			97	100	116	105
Tensile Strength	Kg/cm ²	ASTM D882 LD / TD	LD	TD	LD	TD
			1 400	1 400	1 300	1 300
Seal Strength	g/25 mm	internal method	2 350		2 450	
Tear propagation	g	ASTM D1922	10		11	
Impact Strength	g	internal method	7200		8100	
Elongation	%		28		29	
Energy	mJ		620		790	
Water Vapor Transmission Rate (38°C, 100% RH)	g/m ² ,24 h	ASTM E96	19		16	
Oxygen Transmission Rate (23°C, 0% RH)	cm ³ /m ² ,24 h	ASTM D1434	8 000		7 100	
Carbon dioxide Transmission Rate (23°C, 0% RH)	m ³ /m ² ,24h	internal method	30000		27000	

PRE-PERFORATION PATTERN PPM05

Roll width		Perforation lines
mm	inches	
150-200	6-8	50 : 50 : (mm)
250	10	50 : 50 : 50 : (mm)
300-350-400	12-14-16	50 : 50 : 50 : 50 : (mm)
450-500	18-20	100 : 50 : 50 : 50 : 50 : (mm)
550-600	22-24	150 : 50 : 50 : 50 : 50 : 50 : (mm)

ROLL SIZES AND PACKING

CENTERFOLDED ONLY		BE15C	BE19C
Film length		1335 m	1070 m
		4380 ft	3510 ft
Available widths	mm	Rolls/pallet	
	inches		
	150	6	
	200	8	
	250	10	
	300	12	
	350	14	
	400	16	
	450	18	
	500	20	
550	22		
650	24		

The technical features of the products are given in good faith. The final user has to check-up that they are suitable with all the applications. Unless previous warning, BOLLORÉ has the right to change at any time the definition and technical features of its products.

Bolloré