

# Bolphane® BFF

Cross-linked antifog polyolefin shrink film

- **Excellent optics to maximize appearance.**
- **Helps preserve freshness and quality.**
- **Cross-linked for strength and toughness.**
- **Runs on a wide range of equipment.**

## APPLICATIONS

→ Bolphane® BFF antifog shrink is the ideal film product for packaging products that are refrigerated to ensure quality. Examples include fresh fruits and vegetables, as well as a wide range of processed foods. The high performance antifog properties found in Bolphane® BFF produce packages with outstanding gloss and clarity for excellent retail shelf appeal. Shrink packaging provides consumer confidence due to product protection and cleanliness.



→ Bolloré's exclusive cross-linking process provides Bolphane® BFF with a wide operating window which allows for use on a wide variety of shrink packaging equipment.

Crosslinking also increases seal strength and impact resistance. Bolphane® BFF meets the U.S. FDA criteria for food contact.

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Bolloré

# Bolphane<sup>®</sup> BFF

## HIGH PERFORMANCE ANTIFOG PROPERTIES

Conventional  
polyolefin shrinkfilm



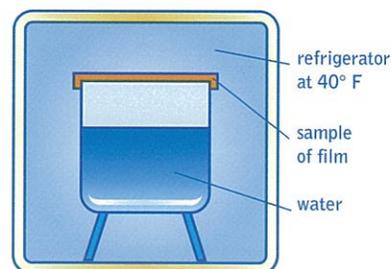
Opaque (or transparent) layer of large droplets

BFF



Transparent film with no visible water

The "cold fog" test



Observation at regular intervals over a one-week period.

## TECHNICAL FEATURES

PROPERTIES		45 Guage	60 Guage
Yield (MSI/lb.)		69.2	51
Gloss (85° angle) in %		115	115
Haze (%)		3.3	3.5
Free Shrink (%)	@ 200° F	17	17
	@ 250° F	75	75
Seal strength (g/inch)	@ 375° F	2000	2100
WVTR (gms/100sq.in./24 h @ 95° F, 95 % RH)		1.6	1.5
CO <sub>2</sub> Permeability (cc/m <sup>2</sup> /24hrs @ 73° F, 1 atm)		48000	41000
O <sub>2</sub> Permeability (cc/m <sup>2</sup> /24hrs @ 73° F, 1 atm)		12000	9500
Roll Length (feet)	Singlewound (S)	11660	8750
	Centerfolded (C)	5830	4375
Core internal diameter (inches)		3	3
External diameter (inches)		9.5	9.5

## PRESENTATION

→ Bolphane<sup>®</sup> BFF is available either singlewound (BFF-SW) or centerfold (BFF-CF). Please contact us for additional requirements.

TYPE	WIDTH (mm)		
	mini	maxi	increment
BFF-SW	6	78	1/4
BFF-CF	6	40	1