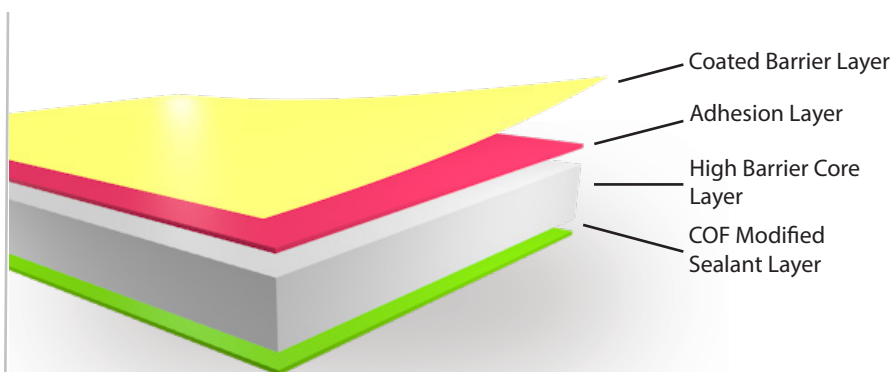


# TORAYFAN<sup>®</sup> CBC3

## Applications

- Confections
- Snacks
- Bakery
- Pet Food
- Ag/chem
- Medical



Torayfan CBC3

TRANSPARENT BARRIER  
COATED, ONE SIDE HEAT  
SEALABLE BOPP FILM

## Summary

One side coated and one side heat sealable Bi-Axially Oriented Polypropylene film with excellent moisture and oxygen barrier. Slip package is added to the sealant for low and consistent COF designed as the outside print web for clear VFFS packages.

## Technical Data \*

PROPERTIES	METHOD	UNITS	TYPICAL VALUES		
Thickness	-	micron	18 20		
Nominal Yield	-	m <sup>2</sup> /kg	63 54		
Tensile Strength at Break	MD	ASTM D882	MPa	100	100
	TD			300	300
Young's Modulus	MD	ASTM D882	MPa	2,400	2,400
	TD			4,100	4,100
Elongation at Break	MD	ASTM D882	%	200	200
	TD			60	60
Heat Shrinkage (140°C for 15 minutes)	MD	ASTM D1204	%	8	8
	TD			5	5
Coefficient of Friction (Sealant Side)		ASTM D1894	$\mu_s$	0.34	0.34
			$\mu_d$	0.26	0.26
Haze (1 sheet)		ASTM 1003	%	3	3
Wetting Tension - Coated Side		ASTM D2578	dyne/cm	60	60
Heat Seal Strength @ 121°C		1	g/25mm	330	330
Seal Initiation Temp (>200g/25mm)		1	°C	99	99
MVTR - 38°C, 90% RH		ASTM F1249	g/m <sup>2</sup> /day	3.4	3.1
O <sub>2</sub> Barrier - 23°C, 0% RH		ASTM D3985	cc/m <sup>2</sup> /day	0.9	0.9

1 Sentinel Sealer model 12 ASL, 0.5 sec, 20 psi. UPPER: flat, Teflon™ coated. LOWER: rubber with glass cloth, unheated

**The product described is covered by one or more of the following patents or patents pending:  
US 6844078, EP 1474289, EP 14874113.5, US 9624020**

### Important Notes

- The Ultra Barrier Layer should be primed before extrusion lamination
- The Ultra Barrier Layer is not approved for direct contact with food. The surface must be buried in a lamination or through extrusion coating
- The Ultra Barrier Layer is suitable for solvent-based inks. Water-based inks should be avoided.

### Key Features

- Oxygen barrier on par with MOPP
- 50% improvement in moisture barrier
- Alternative to PVdC coated OPP
- Low COF sealant
- Improved oil resistance
- Increased puncture resistance

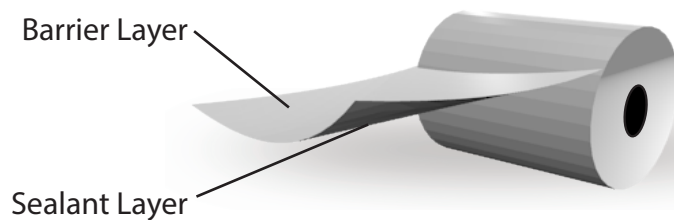
### Similar Products

- CBC2
- CBS3

### Typical Structures

- CBC3/ink/PE or ADH/F71W
- CBC3/ink/PE or ADH/CBS3 - for superior barrier
- O.L./ink/CBC3

### Winding Direction



### \* These values do not constitute specific binding specifications

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