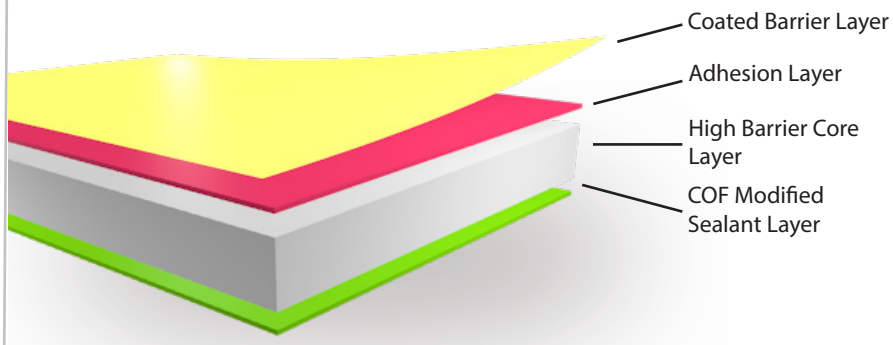
Product Data Sheet

TORAY
Innovation by Chemistry

TORAYFAN® CBC2

Applications

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



Torayfan CBC2

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.

www.toraytpa.com
rimarketing@toraytpa.com

Toray Plastics (America), Inc.
50 Belver Avenue
North Kingstown, RI 02852
1.800.453.6866

MADE IN U.S.A.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	micron	18	20
Nominal Yield		-	m^2/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
Heat Shrinkage (140°C for 15 minutes)	MD	ASTM D1204	%	8	8
	TD			5	5
Coefficient of Friction (Sealant Side)		ASTM D1894	μ_s	0.34	0.34
			μ_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	$g/m^2/day$	3.4	3.1
O_2 Barrier - 23°C, 0% RH		ASTM D3985	$cc/m^2/day$	3.9	3.9

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

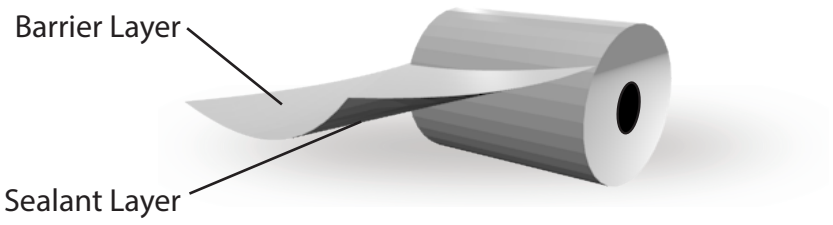
Similar Products

- CBC
- CBS2

Typical Structures

- CBC2/ink/PE or ADH/F71W
- CBC2/ink/PE or ADH/CBS2 - for superior barrier
- O.L./ink/CBC2

Winding Direction



* *These values do not constitute specific binding specifications*