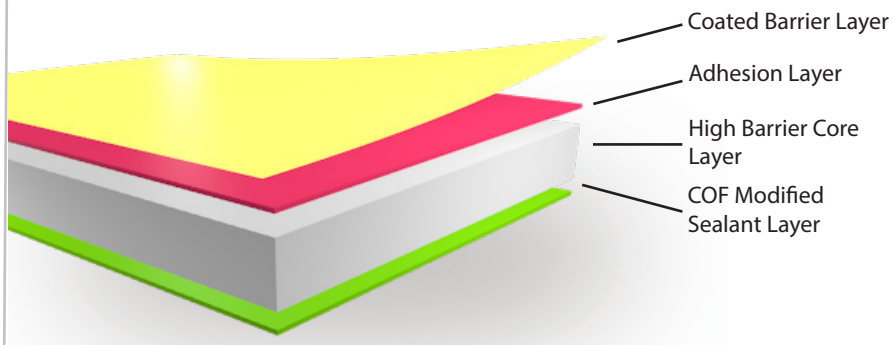
Product Data Sheet

TORAY
Innovation by Chemistry

TORAYFAN® 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.

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MADE IN U.S.A.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	0.00001"	70	80
Nominal Yield		-	in^2/lb	44,000	38,300
Tensile Strength at Break	MD	ASTM D882	lb/in^2	21,500	21,500
	TD			45,500	45,500
Young's Modulus	MD	ASTM D882	lb/in^2	350,000	350,000
	TD			600,000	600,000
Elongation at Break	MD	ASTM D882	%	200	200
	TD			60	60
Heat Shrinkage (284°F 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	%	2.5	2.5
Wetting Tension - Coated Side		ASTM D2578	dyne/cm	60	60
Heat Seal Strength @ 250°F		1	g/in	330	330
Seal Initiation Temp (>200g/in)		1	°F	210	210
MVTR - 100°F, 90% RH		ASTM F1249	$g/100in^2/day$	0.22	0.20
O_2 Barrier - 73°F, 0% RH		ASTM D3985	$cc/100in^2/day$	0.06	0.06

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

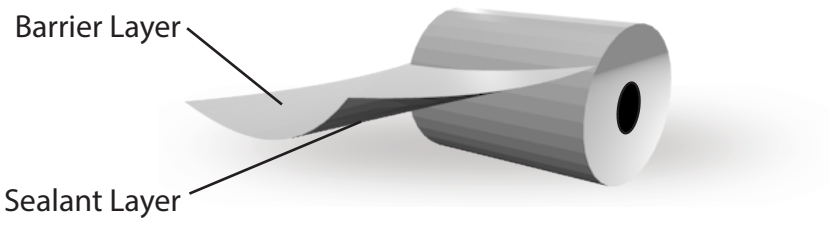
Similar Products

- 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*