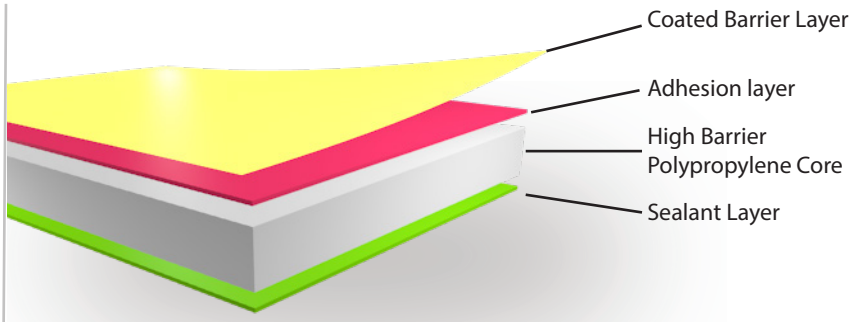
Product Data Sheet

TORAY
Innovation by Chemistry

TORAYFAN CBS3

Applications

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



Torayfan CBS3

TRANSPARENT BARRIER COATED, ONE SIDE HEAT SEALABLE BOPP FILM

Summary

One side barrier coated and one side heat sealable Bi-Axially Oriented Polypropylene film with excellent moisture and oxygen barrier. Designed as the inside sealant web for clear barrier applications.

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			4,300	4,300
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	μ_s	0.66	0.66
			μ_d	0.45	0.45
Haze (1 sheet)		ASTM 1003	%	2.2	2.5
Wetting Tension - Coated Side		ASTM D2578	dyne/cm	60	60
Heat Seal Strength @ 121°C		1	g/25mm	430	430
Seal Initiation Temp (>200g/25mm)		1	°C	91	91
MVTR - 38°C, 90% RH		ASTM F1249	$g/m^2/day$	3.4	3.1
O_2 Barrier - 23°C, 0% RH		ASTM D3985	$cc/m^2/day$	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

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.

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

Key Features

- Oxygen barrier on par with MOPP
- Alternative to PVdC coated OPP
- Wide heat seal range in lap/fin/crimp seals
- Improved oil resistance
- Increased puncture resistance

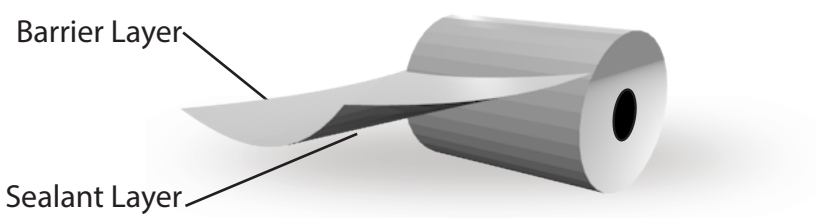
Similar Products

- CBS2
- CBS

Typical Structures

- F61W/ink/PE or ADH/CBS3
- PET/PE or ADH/CBS3

Winding Direction



* *These values do not constitute specific binding specifications*