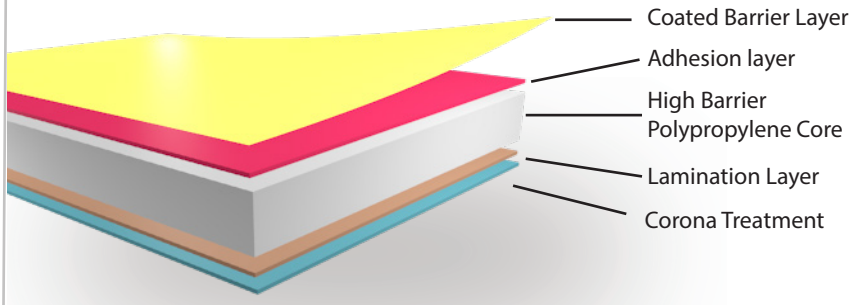
Product Data Sheet

TORAY
Innovation by Chemistry

TORAYFAN® CBP3

Applications

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



Torayfan CBP3

TRANSPARENT BARRIER COATED, NON-SEALABLE BOPP FILM

Summary

One side barrier coated, and one side corona-treated with low COF surface Biaxially Oriented Polypropylene film with superior oxygen barrier and excellent moisture barrier. Designed as an outer print film or inner laminating film for transparent barrrier applications.

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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			630,000	630,000
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 (Treated Side)		ASTM D1894	μ_s	0.36	0.36
			μ_d	0.31	0.31
Haze (1 sheet)		ASTM 1003	%	4	4
Wetting Tension - Coated Side		ASTM D2578	dyne/cm	60	60
Wetting Tension - Corona Side		ASTM D2578	dyne/cm	41	41
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

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

- Superior oxygen and excellent moisture barrier
- Alternative to PVdC coated OPP
- 1 side treated with low COF slip - non migratory
- Increased stiffness
- Improved oil resistance
- Increased puncture resistance

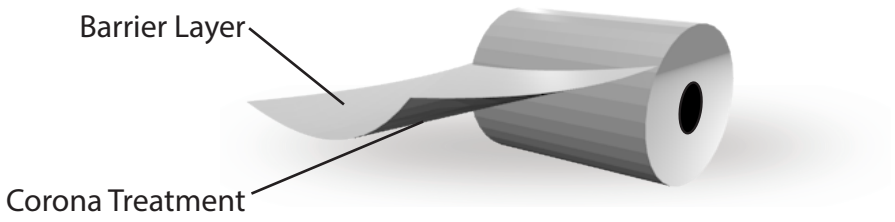
Similar Products

- CBS3
- CBP2

Typical Structures

- F61W/ink/PE or ADH/CBP3/PE/CPP or blown PE
- CBP3/ink/PE or ADH/CBS - for superior MVTR
- F61W/PE or ADH/CBP3/cold seal

Winding Direction



* *These values do not constitute specific binding specifications*