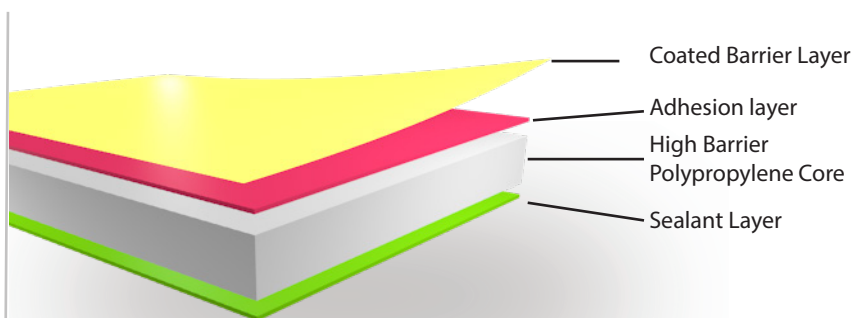


TORAYFAN[®] CBS3

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.

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 (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 @ 250°F		1	g/in	430 430
Seal Initiation Temp (>200g/in)		1	°F	195 195
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

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

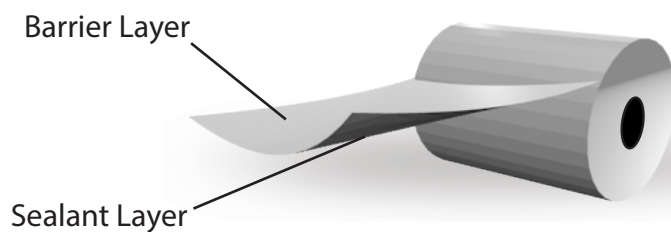
Similar Products

- 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

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