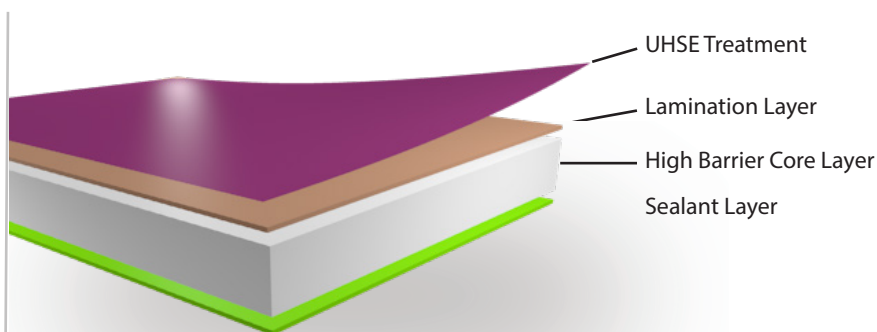


TORAYFAN[®] CBLH

Applications

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



Torayfan CBLH

ONE SIDE TREATED,
ONE HEAT SEALABLE
TRANSPARENT BOPP FILM

Summary

One side treated with Toray's Ultra High Surface Energy (UHSE) and one side heat sealable Bi-Axially Oriented Polypropylene film with enhanced moisture barrier.

Designed for high speed horizontal applications needing excellent moisture barrier and a low COF.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	0.00001"	90	100
Nominal Yield		-	in ² /lb	33,800	30,500
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	0.70	0.70
			μ_d	0.52	0.52
Coefficient of Friction (Treated Side)		ASTM D1894	μ_s	0.30	0.30
			μ_d	0.20	0.20
Haze (1 sheet)		ASTM 1003	%	2.5	2.5
Wetting Tension		ASTM D2578	dyne/cm	41	41
Heat Seal Strength @ 250°F		1	g/in	700	700
Seal Initiation Temp (>200g/in)		1	°F	185	185
MVTR - 100°F, 90% RH		ASTM F1249	g/100in ² /day	0.19	0.19

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.**

Key Features

- Low SIT = 185°F
- 50% improvement in moisture barrier
- Wide heat seal range in lap/fin/crimp seals
- Improved oil resistance
- Increased puncture resistance and stiffness

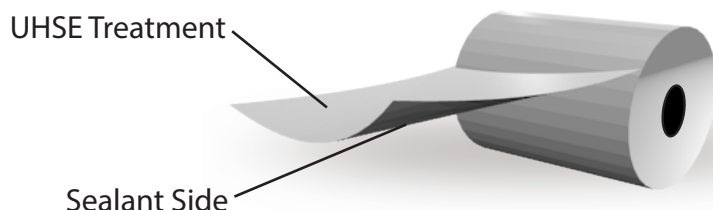
Similar Products

- CBLS
- CBH

Typical Structures

- Ink/CBLH
- CBLH unprinted monoweb

Winding Direction



* These values do not constitute specific binding specifications

DISCLAIMER: This information is believed to be correct as of the date of issue. Toray Plastics (America), Inc. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE AND TAKES NO RESPONSIBILITY REGARDING THE SUITABILITY OF THIS INFORMATION FOR THE USER'S INTENDED PURPOSES OR FOR THE CONSEQUENCE OF ITS USE. User is responsible for determining whether the Toray Plastics (America), Inc. product is fit for a particular purpose and suitable for user's method or use of application. Given the variety of factors that can affect the use and application of Toray Plastics (America), Inc. products, which are uniquely within the user's knowledge and control, it is essential that the user make its own tests to determine the safety and suitability of each Toray Plastics (America), Inc. product or product combination for its own purpose.

Torayfan® is a registered trademark of Toray Industries, Inc. for its range of bi-oriented Polypropylene Films (BOPP)