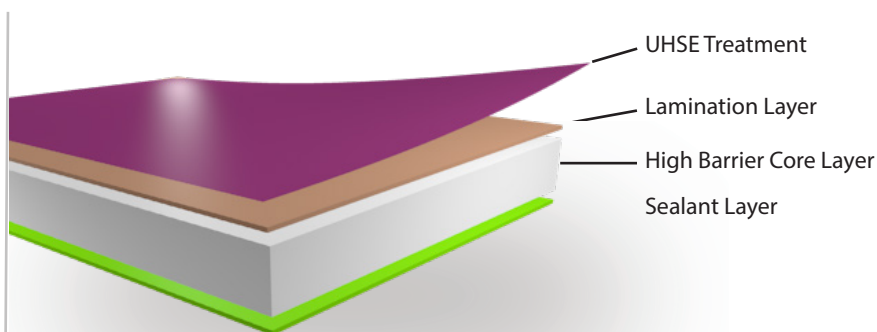


# TORAYFAN<sup>®</sup> CBLH

## 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		-	micron	22.5	25
Nominal Yield		-	m <sup>2</sup> /kg	48.1	43.4
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			4,100	4,100
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	$\mu_s$	0.70	0.70
			$\mu_d$	0.52	0.52
Coefficient of Friction (Treated Side)		ASTM D1894	$\mu_s$	0.30	0.30
			$\mu_d$	0.20	0.20
Haze (1 sheet)		ASTM 1003	%	2.5	2.5
Wetting Tension		ASTM D2578	dyne/cm	41	41
Heat Seal Strength @ 121°C		1	g/25mm	700	700
Seal Initiation Temp (>200g/25mm)		1	°C	85	85
MVTR - 38°C, 90% RH		ASTM F1249	g/m <sup>2</sup> /day	2.9	2.9

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

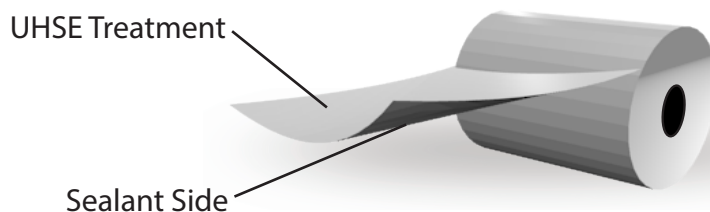
### Similar Products

- 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)