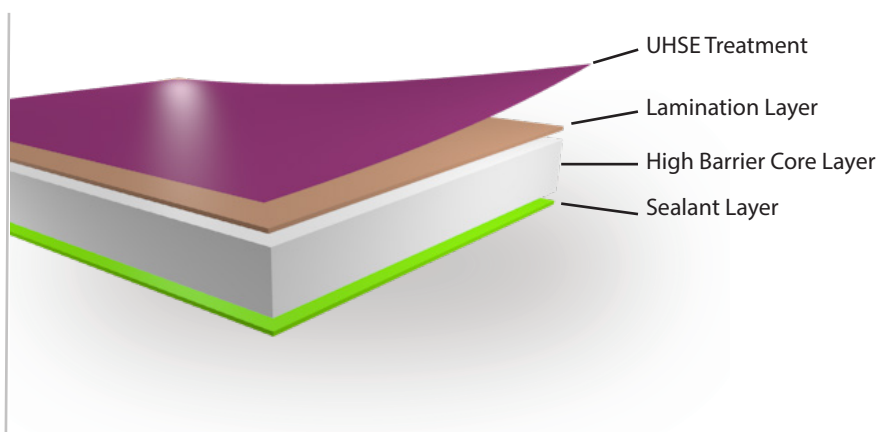


# TORAYFAN CBLH

## 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             |
| Nominal Yield                            |    | -          | in <sup>2</sup> /lb       | 33,800         |
| Tensile Strength at Break                | MD | ASTM D882  | lb/in <sup>2</sup>        | 21,500         |
|  | TD |            |                           | 45,500         |
| Young's Modulus                          | MD | ASTM D882  | lb/in <sup>2</sup>        | 350,000        |
|  | TD |            |                           | 600,000        |
| Elongation at Break                      | MD | ASTM D882  | %                         | 200            |
|  | TD |            |                           | 60             |
| Heat Shrinkage<br>(284°F for 15 minutes) | MD | ASTM D1204 | %                         | 8              |
|  | TD |            |                           | 5              |
| Coefficient of Friction (Sealant Side)   |    | ASTM D1894 | $\mu_s$                   | 0.70           |
|  |    |            | $\mu_d$                   | 0.52           |
| Coefficient of Friction (Treated Side)   |    | ASTM D1894 | $\mu_s$                   | 0.30           |
|  |    |            | $\mu_d$                   | 0.20           |
| Haze (1 sheet)                           |    | ASTM 1003  | %                         | 2.5            |
| Wetting Tension                          |    | ASTM D2578 | dyne/cm                   | 41             |
| Heat Seal Strength @ 250°F               |    | 1          | °F                        | 700            |
| Seal Initiation Temp (>200g/in)          |    | 1          | °F                        | 185            |
| MVTR - 100°F, 90% RH                     |    | ASTM F1249 | g/100in <sup>2</sup> /day | 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

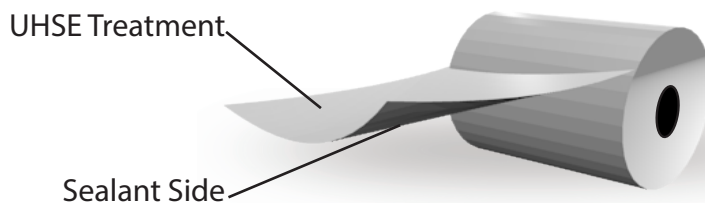
### Similar Products

- CBL5
- CBH

### Typical Structures

- Ink/CBLH
- CBLH unprinted monoweb

### Winding Direction



\* These values do not constitute specific binding specifications

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