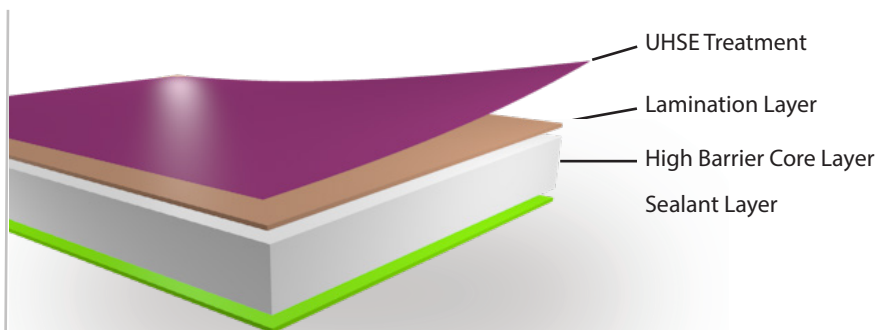


# TORAYFAN<sup>®</sup> CBLS

## Applications

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



Torayfan CBLS

ONE SIDE TREATED,  
ONE HEAT SEALABLE  
TRANSPARENT BOPP FILM

## Summary

One side treated, one side heat sealable Bi-Axially Oriented Polypropylene film with excellent moisture barrier. Designed as the inside sealant web for clear applications requiring moisture barrier and a low seal initiation temperature. Can also be used as an unsupported web that can be surface printed.

## Technical Data \*

PROPERTIES		METHOD	UNITS	TYPICAL VALUES
Thickness		-	micron	23
Nominal Yield		-	m <sup>2</sup> /kg	48
Tensile Strength at Break	MD	ASTM D882	MPa	100
	TD			300
Young's Modulus	MD	ASTM D882	MPa	2,400
	TD			4,100
Elongation at Break	MD	ASTM D882	%	200
	TD			60
Heat Shrinkage (140°C 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	$\mu_s$	0.35
			$\mu_d$	0.30
Haze (1 sheet)		ASTM 1003	%	2.5
Wetting Tension		ASTM D2578	dyne/cm	41
Heat Seal Strength @ 121°C		1	g/25mm	700
Seal Initiation Temp (>200g/25mm)		1	°C	85
MVTR - 38°C, 90% RH		ASTM F1249	g/m <sup>2</sup> /day	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
- Alternative to PVdC coated OPP
- Wide heat seal range in lap/fin/crimp seals
- Improved oil resistance
- Increased puncture resistance and stiffness

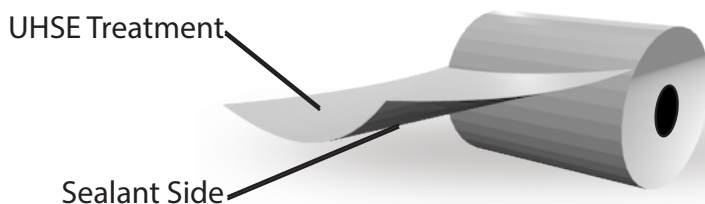
### Similar Products

- CBS
- CBC
- CBLH

### Typical Structures

- F61W/ink/PE or ADH/CBLS
- CBC/ink/PE or ADH/CBLS - for enhanced MVTR
- PET/PE or ADH/CBLS
- Ink/CBLS

### Winding Direction



\* These values do not constitute specific binding specifications

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