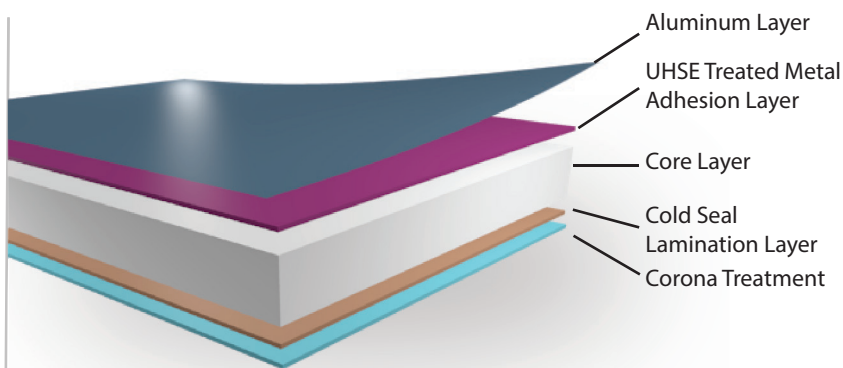


# TORAYFAN PC1

## Applications

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



Torayfan PC1

ONE SIDE TREATED, ONE  
SIDE METALLIZED NON  
SEALABLE BOPP FILM

## Summary

One side vacuum deposited Aluminum on Toray's Ultra High Surface Energy (UHSE), one side corona treated. Designed as a barrier cold seal or buried barrier metallized BOPP film. Ideal for foil and MPET replacement.

## Technical Data \*

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness			0.00001"	45	50
Nominal Yield			in <sup>2</sup> /lb	68,200	61,200
Tensile Strength at Break	MD	ASTM D882	lb/in <sup>2</sup>	21,500	21,500
	TD			45,500	45,500
Young's Modulus	MD	ASTM D882	lb/in <sup>2</sup>	316,000	316,000
	TD			548,000	548,000
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
COF (Corona Treated Side)		ASTM D1894	H <sub>s</sub>	0.36	0.36
			H <sub>b</sub>	0.31	0.31
Wetting Tension (Corona Treated Side)		ASTM D2578	dyne/cm	41	41
MVTR - 100 °F, 90% RH		ASTM F1249	g/100in <sup>2</sup> /day	0.009	0.009

### Key Features

- Excellent bonding of pressure sensitive adhesives (cold seals)
- Non craze metal surface
- Good moisture barrier
- Excellent bonding in extrusion and adhesive laminations
- Source reduction = 50 and 45 gauge

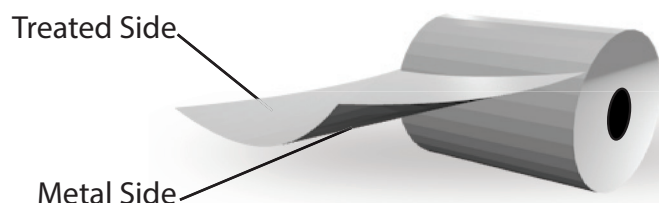
### Similar Products

- M10
- PC3

### Typical Structures

- Release Film/ink/ADH/PC1/  
Patterned Cold Seal
- PET/ink/PE/PC1/PE
- BOPP/ink/PE/PC1/PE
- Ink/Paper/PE/PC1/PE
- O.L./ink/Board/PE/PC1/PE
- O.L./ink/PC1/PE/Board/PE

### 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)