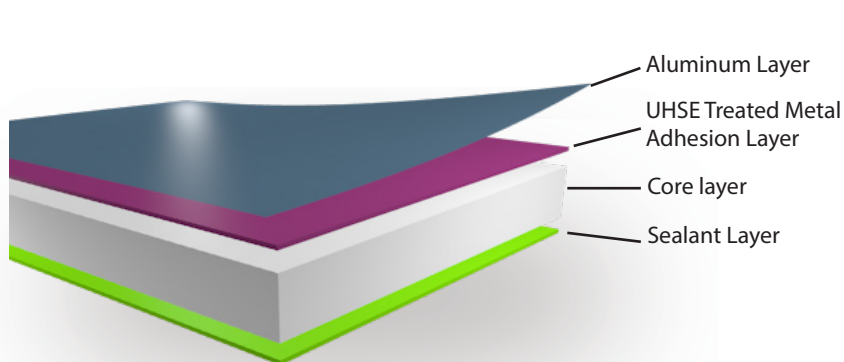


# TORAYFAN<sup>®</sup> PWX3

## Applications

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



ONE HEAT SEALABLE, ONE  
SIDE METALLIZED BOPP  
FILM

## Summary

One side vacuum deposited Aluminum on Toray's Ultra High Surface Energy (UHSE), one side heat sealable. Designed as an inside moisture and oxygen barrier metallized BOPP film for gas flushed applications.

## Technical Data \*

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	micron	15	18
Nominal Yield		-	m <sup>2</sup> /kg	73	63
Tensile Strength at Break	MD	ASTM D882	MPa	200	200
	TD			300	300
Young's Modulus	MD	ASTM D882	MPa	2,200	2,200
	TD			3,800	3,800
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	$\mu_s$	0.57	0.57
Heat Seal Strength @ 121°C		1	g/25mm	430	430
Seal Initiation Temp (>200g/25mm)		1	°C	85	85
Hot Tack @ 121°C		2	g/25mm	210	210
MVTR - 38°C, 90% RH		ASTM F1249	g/m <sup>2</sup> /day	0.155	0.155
O2 Barrier - 23°C, 0% RH		ASTM D3985	cc/m <sup>2</sup> /day	15.5	15.5

1 Sentinel Sealer model 12 ASL, 0.5 sec, 20 psi. UPPER: flat, Teflon™ coated. LOWER: rubber with glass cloth, unheated  
 2 Sentinel Sealer (see 1) with VERSATOOL hot tack attachment

### Key Features

- Good oxygen barrier - gas flushable
- Good moisture barrier
- Non craze metal surface
- Excellent hot tack and wide heat seal range

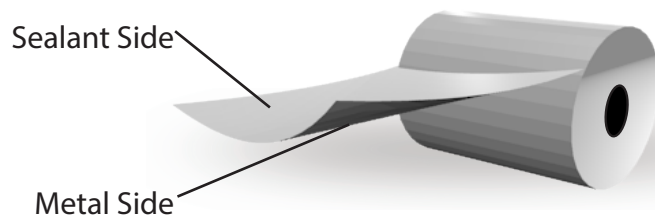
### Similar Products

- PMX2
- PWS2
- PWX2
- PWS3

### Typical Structures

- F61W/ink/PE or ADH/PWX3
- F62W/ink/PE or ADH/PWX3
- O.L./ink/PWX3
- O.L./ink/Paper/PE/PWX3

### 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)