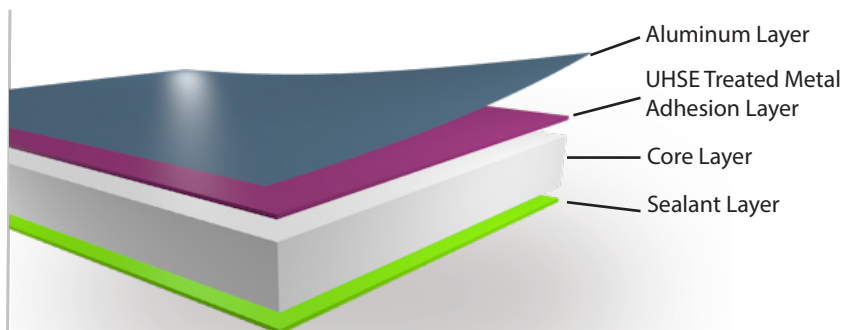


TORAYFAN[®] PCFS

Applications

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



ONE SIDE 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 integrated Sealant and Foil replacement film. Superior moisture and excellent oxygen barrier. Excellent barrier durability during package making

Technical Data *

PROPERTIES	METHOD	UNITS	TYPICAL VALUES
Thickness	-	micron	18
Nominal Yield	-	m ² /kg	63
Tensile Strength at Break	MD	ASTM D882	100
	TD		300
Young's Modulus	MD	ASTM D882	2,200
	TD		3,800
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)		μ_d	0.57
Heat Seal Strength in lamination @ 121°C	1	g/25mm	700
Seal Initiation Temp (>200g/25mm)	1	°C	85
MVTR - 38°C, 90% RH	ASTM F1249	g/m ² /day	0.078
O2 Barrier - 23°C, 0% RH	ASTM D3985	cc/m ² /day	9.3

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, US 6916526, EP1474289, EP 03725995.9 pending**

Key Features

- Excellent oxygen barrier - gas flushable
- Superior moisture barrier
- Integrated sealant with improved hermetics and seal strength
- Non craze metal surface
- Increased oil resistance
- Exceptional barrier durability
- Excellent hot tack and wide heat seal range

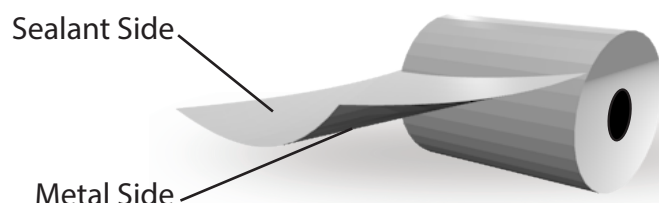
Similar Products

- PWX4
- PLS
- MH5C

Typical Structures

- F62W/ink/ADH/PCFS
- O.L./ink/Paper/PE or ADH/PCFS
- PA10/ink/PE or ADH/PCFS

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)