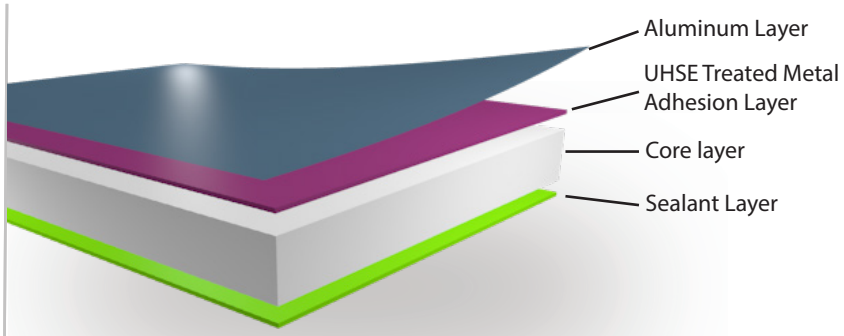
Product Data Sheet

TORAY
Innovation by Chemistry

TORAYFAN® PLS

Applications

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



Torayfan PLS

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 incorporating Toray's low SIT sealant package. Designed as a superior moisture barrier and excellent oxygen barrier metallized BOPP film.

www.toraytpa.com
rimarketing@toraytpa.com

Toray Plastics (America), Inc.
50 Belver Avenue
North Kingstown, RI 02852
1.800.453.6866

MADE IN U.S.A.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES
Thickness		-	0.00001"	60
Nominal Yield		-	in^2/lb	51,500
Tensile Strength at Break	MD	ASTM D882	lb/in^2	21,500
	TD			45,500
Young's Modulus	MD	ASTM D882	lb/in^2	316,000
	TD			548,000
Elongation at Break	MD	ASTM D882	%	200
	TD			60
Heat Shrinkage (284°F for 15 minutes)	MD	ASTM D1204	%	8
	TD			5
			μ_d	0.57
Heat Seal Strength @ 250°F		1	g/in	430
Seal Initiation Temp (>200g/in)		1	°F	185
MVTR - 100°F, 90% RH		ASTM F1249	$g/100in^2/day$	0.005
O2 Barrier - 73°F, 0% RH		ASTM D3985	$cc/100in^2/day$	0.6

1 Sentinel Sealer model 12 ASL, 0.5 sec, 20 psi. UPPER: flat, Teflon™ coated. LOWER: rubber with glass cloth, unheated

Key Features

- Low SIT for high speed packaging applications
- Non craze metal surface
- Superior moisture barrier
- Excellent oxygen barrier
- Excellent hot tack and very wide heat seal range
- Improved oil resistance
- Superior barier durability after bag making

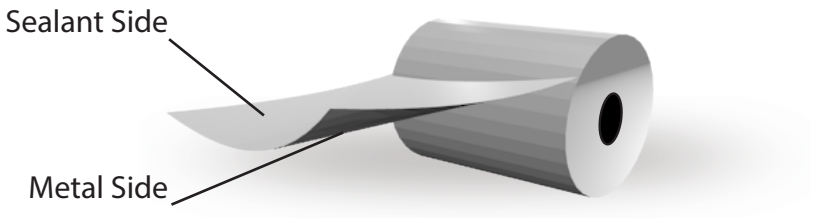
Similar Products

- M51S
- PWX4

Typical Structures

- F61W/ink/PE or ADH/PLS
- F62W/ink/PE or ADH/PLS
- PA10/ink/ PE or ADH/PLS

Winding Direction



* *These values do not constitute specific binding specifications*

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