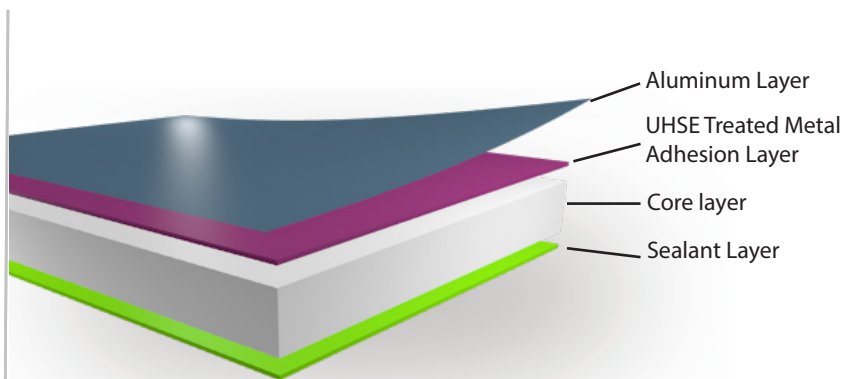


TORAYFAN[®] PWS4

Applications

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



Torayfan PWS4

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 a inside moisture barrier metallized BOPP film with good moisture barrier durability.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	0.00001"	60	70
Nominal Yield		-	in ² /lb	51,500	44,000
Tensile Strength at Break	MD	ASTM D882	lb/in ²	21,500	21,500
	TD			45,500	45,500
Young's Modulus	MD	ASTM D882	lb/in ²	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
Coefficient of Friction (Sealant Side)		ASTM D1894	μ_s	0.66	0.66
			μ_d	0.45	0.45
Heat Seal Strength @ 250°F		1	g/in	380	430
Seal Initiation Temp (>200g/in)		1	°F	185	185
MVTR - 100°F, 90% RH		ASTM F1249	g/100in ² /day	0.01	0.01

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**

Key Features

- Good moisture barrier durability
- Non craze metal surface
- Increased oil resistance
- Increased stiffness and puncture resistance
- Excellent hot tack and wide heat seal range

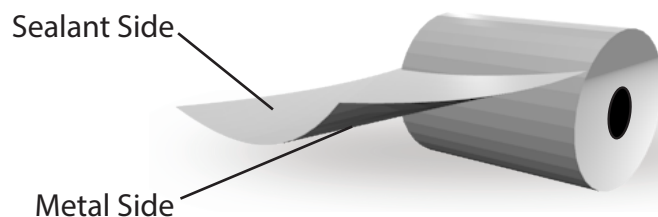
Similar Products

- PWX4
- M51S

Typical Structures

- F61W/ink/PE or ADH/PWS4
- F62W/ink/PE or ADH/PWS4
- PA10/ink/PE or ADH/PWS4
- O.L./ink/PWS4
- O.L./ink/Paper/PE/PWS4

Winding Direction



* These values do not constitute specific binding specifications

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Torayfan® is a registered trademark of Toray Industries, Inc. for its range of bi-oriented Polypropylene Films (BOPP)