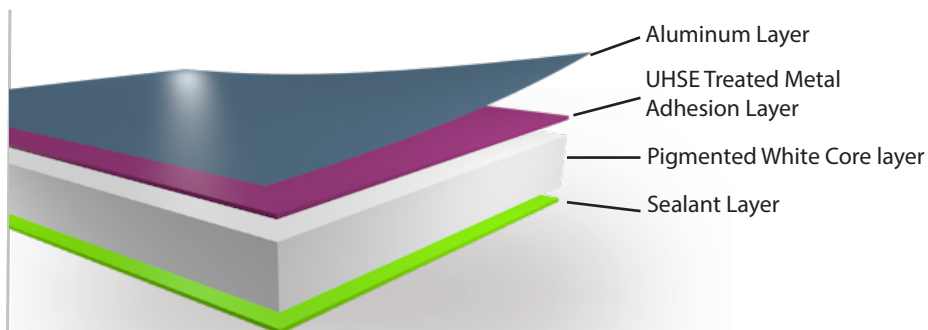


TORAYFAN[®] MPX4

Applications

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



Torayfan MPX4

ONE SIDE HEAT SEALABLE,
ONE SIDE METALLIZED WHITE
PIGMENTED BOPP FILM

Summary

One side vacuum deposited Aluminum on Toray's Ultra High Surface Energy (UHSE), one side heat sealable with a pigmented white core. Designed as an inside moisture and oxygen barrier metallized BOPP film for gas flushed applications. Superior barrier durability during bag making.

Technical Data *

PROPERTIES	METHOD	UNITS	TYPICAL VALUES		
Thickness	-	micron	18	23	
Nominal Yield	-	m ² /kg	60	47	
Tensile Strength at Break	MD	ASTM D882	MPa	100	100
	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		μ_s	0.66	0.66
			μ_d	0.45	0.45
Heat Seal Strength @ 121°C	1		g/25mm	221	430
Seal Initiation Temp (>200g/25mm)	1		°C	85	85
MVTR - 38°C, 90% RH	ASTM F1249		g/m ² /day	0.078	0.078
O2 Barrier - 23°C, 0% RH	ASTM D3985		cc/m ² /day	9.3	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**

Key Features

- Bright white appearance
- Excellent oxygen barrier - gas flushable
- Superior moisture barrier
- Superior barrier durability after bag making
- Non craze metal surface
- Increased oil resistance
- Increased stiffness and puncture resistance
- Excellent hot tack and wide heat seal range

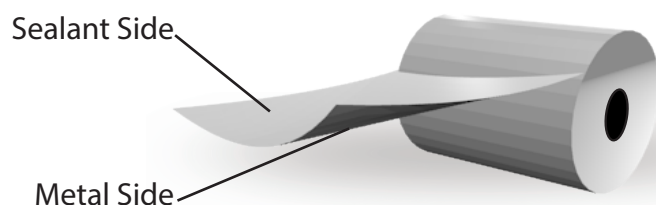
Similar Products

- MWX6
- MWL
- PWX4

Typical Structures

- F61W/ink/PE or ADH/MPX4
- F62W/ink/PE or ADH/MPX4
- PA10/ink/PE or ADH/MPX4
- O.L./ink/MPX4
- O.L./ink/Paper/PE/MPX4

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)