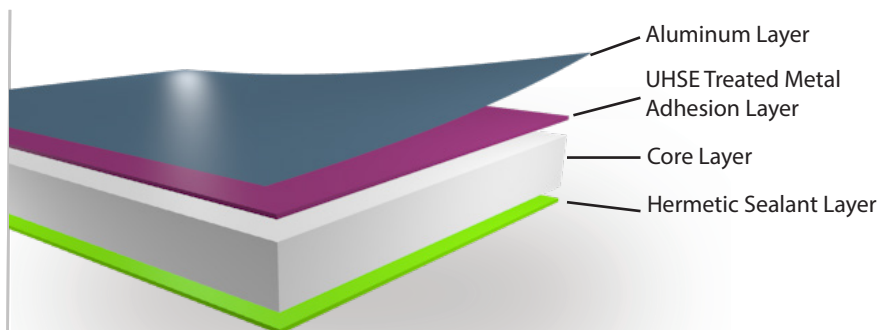


TORAYFAN[®] MH5C

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 with high seal strength and with improved hermetic seal property. Designed as an inside moisture and oxygen barrier metallized BOPP film for gas flushed applications.

Technical Data *

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	0.00001"	70	90
Nominal Yield		-	in ² /lb	44,000	33,800
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	1,100	1,400
Seal Initiation Temp (>200g/in)		1	°F	190	190
MVTR - 100°F, 90% RH		ASTM F1249	g/100in ² /day	0.01	0.01
O2 Barrier - 73°F, 0% RH		ASTM D3985	cc/100in ² /day	0.60	0.60

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 6916526, US 9120294, and EP 2195161**

Key Features

- Improved sealant design for optimal hermetic sealing
- Superior seal strength
- Good moisture barrier and excellent oxygen barrier
- Non craze metal surface
- Increased oil resistance
- Excellent hot tack and wide heat seal range

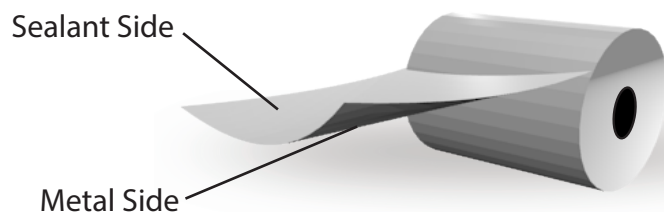
Similar Products

- PCFS
- MOTM

Typical Structures

- F62W/ink/ADH or PE/MH5C
- PA10/Ink/PE or ADH/MH5C
- O.L./ink/Paper/PE or ADH/MH5C

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)