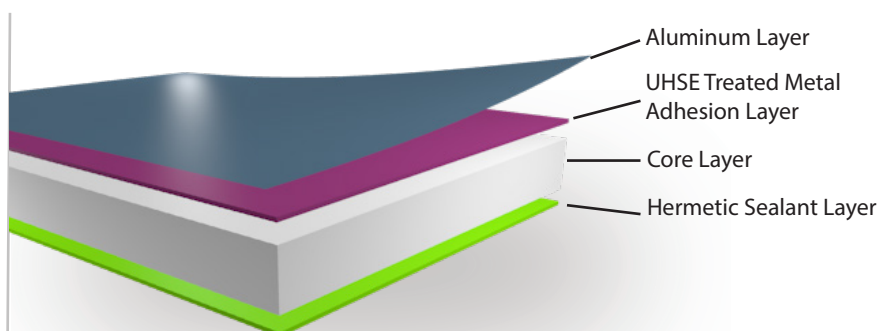


# TORAYFAN MH5C

## Applications

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



Torayfan MH5C

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 <sup>2</sup> /lb	44,000	33,800
Tensile Strength at Break	MD	ASTM D882	lb/in <sup>2</sup>	21,500
	TD			45,500
Young's Modulus	MD	ASTM D882	lb/in <sup>2</sup>	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
Coefficient of Friction (Sealant Side)		ASTM D1894	$\mu_s$	0.66
			$\mu_d$	0.45
Heat Seal Strength @ 250°F	1		°F	1,100
Seal Initiation Temp (>200g/in)	1		°F	190
MVTR - 100°F, 90% RH	ASTM F1249	g/100in <sup>2</sup> /day		0.01
O2 Barrier - 73°F, 0% RH	ASTM D3985	cc/100in <sup>2</sup> /day		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

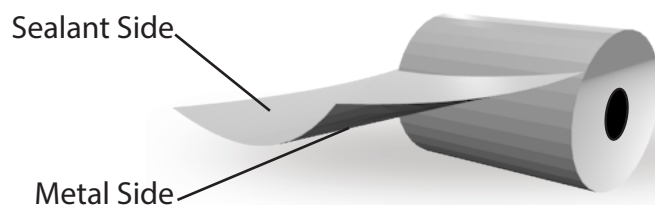
### Similar Products

- 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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