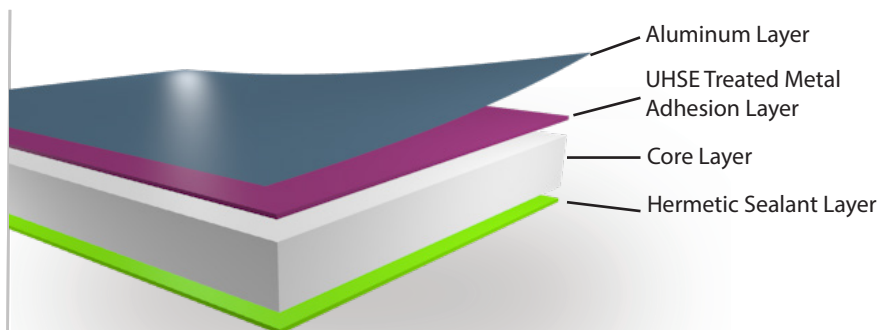


# TORAYFAN<sup>®</sup> MH5C

## 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                              | -          | micron                 | 17.5           | 22.5  |
| Nominal Yield                          | -          | m <sup>2</sup> /kg     | 63             | 48    |
| Tensile Strength at Break              | MD         | ASTM D882              | MPa            | 100   |
|  | TD         |                        |                | 300   |
| Young's Modulus                        | MD         | ASTM D882              | MPa            | 2,200 |
|  | TD         |                        |                | 3,800 |
| Elongation at Break                    | MD         | ASTM D882              | %              | 200   |
|  | TD         |                        |                | 60    |
| Heat Shrinkage (140°C for 15 minutes)  | MD         | ASTM D1204             | %              | 8     |
|  | TD         |                        |                | 5     |
| Coefficient of Friction (Sealant Side) | ASTM D1894 | $\mu_s$                | 0.66           | 0.66  |
|  |            | $\mu_d$                | 0.45           | 0.45  |
| Heat Seal Strength @ 121°C             | 1          | g/25mm                 | 1,100          | 1,400 |
| Seal Initiation Temp (>200g/25mm)      | 1          | °C                     | 88             | 88    |
| MVTR - 38°C, 90% RH                    | ASTM F1249 | g/m <sup>2</sup> /day  | 0.16           | 0.16  |
| O2 Barrier - 23°C, 0% RH               | ASTM D3985 | cc/m <sup>2</sup> /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 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

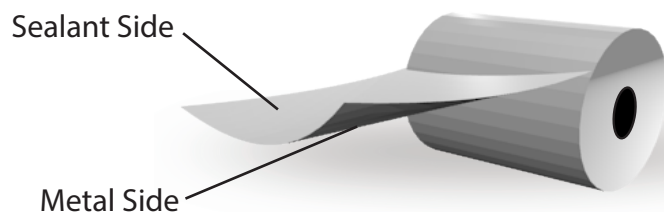
### Similar Products

- 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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