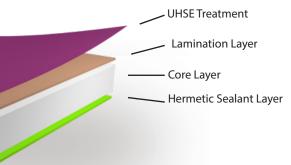


# TORAYFAN<sup>®</sup> F7HC

## **Applications**

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



## ONE SIDE TREATED, ONE SIDE HEAT SEALABLE TRANSPARENT BOPP FILM

## Summary

One side treated with Toray's Ultra High Surface Energy (UHSE) and one side heat sealable Bi-Axially Oriented Polypropylene film with high seal strength and with improved hermetic seal properties. Designed as an inside web BOPP film with good lamination properties and high seal strengths.

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Product Data Sheet

### Torayfan F7HC

Product Data Sheet

### 🖉 Technical Data ⊁

| PROPERTIES                              |    | METHOD       | UNITS     |       |
|---|----|--------------|-----------|-------|
| Thickness                               |    | _            | micron    | 23    |
| Nominal Yield                           |    | -            | m²/kg     | 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 |              |           | 5.00  |
| Coefficient of Friction (Sealant Side)  |    | ASTM D1894 - | μ         | 0.66  |
|   |    |              | $\mu_{d}$ | 0.45  |
| Haze (1 sheet)                          |    | ASTM 1003    | %         | 2.5   |
| Wetting Tension                         |    | ASTM D2578   | dyne/cm   | 40    |
| Heat Seal Strength @ 121°C              |    | 1            | g/25mm    | 1,400 |
| Seal Initiation Temp (>200g/25mm)       |    | 1            | °C        | 88    |
| MVTR - 38°C, 90% RH                     |    | ASTM F1249   | g/m²/day  | 5.3   |

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 9120294 and EP 2195161

#### Key Features

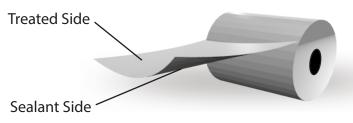
- · Good bond in adhesive and extrusion laminations
- Improved hermetic seal properties
- Low SIT = 190°F

#### Similar Products

- F6HC
- F72W

- Typical Structures
- F62W/ink/ADH or PE/F7HC
- PA10/Ink/PE or ADH/F7HC
- O.L./ink/Paper/PE or ADH/F7HC

#### 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)

Torayfan F7HC