

## ORN-F Polypropylene (PP) Film

### DESCRIPTION

ORN-F is an untreated, two side heat sealable biaxially oriented polypropylene film for high-speed packaging applications.

### CHARACTERISTICS

- Anti-blocking and anti-static properties
- Excellent "hot slip"
- Non-migratory slip system
- Oil and grease resistant
- Excellent tear strength and puncture resistance
- Good dead fold properties
- Stable in varying conditions of humidity

### FDA STATUS

Manufactured with materials compliant with FDA regulations.

### COMPLIANCE

Please visit <https://www.transcendia.com/compliance> for more compliance information.

### TECHNICAL DATA

| PROPERTIES          |    | UNIT OF MEASURE           | TYPICAL VALUE |         | TEST METHOD                 |
|---------------------|----|---------------------------|---------------|---------|-----------------------------|
| Thickness           |    | Gauge                     | 80            | 100     | -                           |
| Yield               |    | in <sup>2</sup> /lb       | 38,700        | 31,000  | -                           |
| COF, A/B (Dynamic)  |    | -                         | 0.23          | 0.23    | ASTM D1894                  |
| Tensile Strength    | MD | psi                       | 26,100        | 26,100  | ASTM D882                   |
| Tensile Strength    | TD | psi                       | 43,500        | 43,500  | ASTM D882                   |
| Elongation at Break | MD | %                         | 160           | 160     | ASTM D882                   |
| Elongation at Break | TD | %                         | 45            | 45      | ASTM D882                   |
| WVTR                |    | g/100in <sup>2</sup> /day | 0.39          | 0.25    | ASTM F 1249 100°F<br>90% RH |
| Heat Seal Range     |    | °F                        | 221-293       | 221-293 | -                           |
| Heat Seal Strength  |    | g/in                      | 311           | 450     | 284°F/0.5psi/0.15sec        |
| Haze                |    | %                         | 1.8           | 1.8     | ASTM D1003                  |
| Gloss               |    | -                         | 89            | 89      | ASTM D2457                  |

\*All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

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