

# BOLFRESH® OXBTEC

## Modified Atmosphere Barrier Overwrap Shrink Film

**OXBTEC** shrink films are a dedicated solution for modified atmosphere overwrapping. Formulated with barrier and anti-fog properties, they are ideal for the packaging of fresh food products. With **OXBTEC** films, meat, poultry, cheese, ready meals, fish, sea food, fruit and vegetables are conveniently packed, protected, enhanced and preserved.

**OXBTEC** films run on dedicated form fill seal machines. Complete overwrapping makes packages ensuring hygiene and cleanliness on shelves. Sealing and tear resistance are obtained due to the high mechanical properties of the **OXBTEC** film.



### Advantages

- **OXBTEC films:** Offer an attractive shelf appearance through optics, anti-fog properties, and high shrinkage level.
- Prevent liquid leakage and contamination risks due to reinforced sealing properties and high puncture resistance.
- Meets the needs of extended shelf life as required by major retailers, food processors and shoppers.
- OXBTEC complies with all the relevant FDA (USA) and FIA (Canada) regulations on food materials.



| Technical Properties                          | Test Unit                       | Test Method     | OXBTEC                             |     |      |     |
|---|---------------------------------|-----------------|------------------------------------|-----|------|-----|
| <b>Presentation</b>                           |                                 |                 |                                    |     |      |     |
| Gauge   |                                 |                 | 80                                 |     | 100  |     |
| Roll Length Singlewound                       | FT                              |                 | 7000                               |     | 5250 |     |
| Width Singlewound                             | in                              |                 | Min: 4in Max: 78in Increment .25in |     |      |     |
| <b>Optical Properties</b>                     |                                 |                 |                                    |     |      |     |
| Haze  |                                 | ASTM D1003-A    | 5                                  |     | 5    |     |
| Gloss at 20°                                  |                                 | ASTM D2457      | 110                                |     | 110  |     |
| <b>Shrinkage Properties</b>                   |                                 |                 | LD*                                | TD* | LD*  | TD* |
| Free Shrink at 200°F                          |                                 | ATSM D2732      | 15                                 | 19  | 14   | 18  |
| Free Shrink at 240°F                          |                                 |                 | 60                                 | 64  | 62   | 65  |
| <b>Mechanical Properties</b>                  |                                 |                 | LD*                                | TD* | LD*  | TD* |
| Stiffness modulus                             | Mpa                             | ASTM D882       | 700                                | 750 | 650  | 700 |
| Elongation at break                           | %                               | ASTM D882       | 130                                | 100 | 135  | 105 |
| Tensile strength                              | PSI                             | ASTM D882       | 20                                 | 25  | 20   | 25  |
| Seal Strength                                 | lb/in                           | Internal Method |                                    |     |      |     |
| <b>Barrier Properties</b>                     |                                 |                 |                                    |     |      |     |
| Water vapor transmission rate (73°F, 100% RH) | cc/100in <sup>2</sup> /24hr/atm | ATSM E96        | 12                                 |     | 10   |     |
| O <sub>2</sub> transmission rate              | cc/100in <sup>2</sup> /24hr/    |                 | ASTM D3985                         |     | 21   |     |

## Contact Us

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