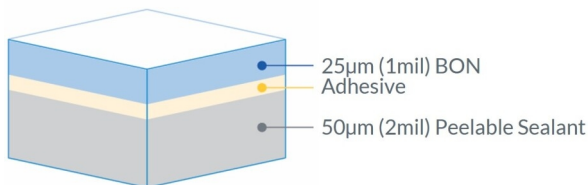


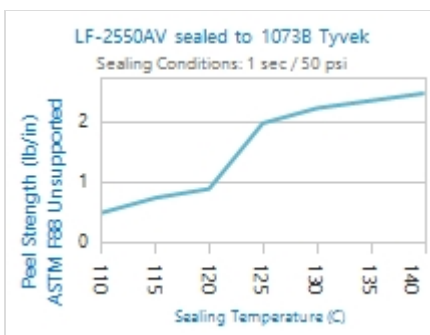
LF-2550AV

Biaxially Oriented Peelable Nylon Film



| Attribute | Test Method | Typical Value (US) | Typical Value (Int'l) |
|--|-------------|------------------------------------|-----------------------------|
| PHYSICAL | | | |
| Basis Weight | TAPPI T410 | 47.0 lbs/3000 ft ² | 77 g/m ² |
| Yield | Calculated | 9,191 in ² /lb | 13.0 m ² /kg |
| Thickness | ASTM F2251 | 3.0 mil | 76 µm |
| MECHANICAL | | | |
| Tensile Strength (MD) | ASTM D882 | 15,180 psi | 202.6 N |
| Tensile Strength (CD) | ASTM D882 | 13,986 psi | 186.7 N |
| Elongation (MD) | ASTM D882 | >95% | >95% |
| Elongation (CD) | ASTM D882 | >95% | >95% |
| Puncture Resistance (1/16" from outside) | ASTM F1306 | 11 lb (f) | 46.6 N |
| Puncture Resistance (1/16" from inside) | ASTM F1306 | 14 lb (f) | 64.1 N |
| PERMEATION | | | |
| OTR | ASTM D3985 | 1.61 cc/100 in ² /24 hr | 25 cc/m ² /24 hr |
| WVTR | ASTM F1249 | 0.161 g/100 in ² /24hr | 2.5 g/m ² /24hr |

This information describes typical product characteristics for customer evaluation. It is not intended to be a final specification or warranty of performance.



Note: Determination of the specific suitability of this product for individual applications is the sole responsibility of the purchaser. The information contained herein is correct to the best of our knowledge. Recommendations or suggestions are made without guarantee of representation as to results. Nothing in this disclosure of information shall be deemed by implication or otherwise to convey to the recipient of this information any rights under any patents, patent applications, trademarks, copyrights or invention owned by Oliver Products Company.

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Description

LF-2550AV is a clear biaxially oriented nylon, with a peelable sealant layer. It has good puncture resistance and excellent toughness, flex crack resistance and impact resistance.

Typical Application

This is a heat sealable film intended for single use pouch applications. LF-2550AV is compatible with radiation sterilization and Ethylene Oxide (EO) sterilization when sealed to a breathable substrate.

Biocompatibility

LF-2550AV has been proven to be non-cytotoxic. Testing was conducted in accordance with ASTM F2475, standard guide for bio-compatibility evaluation of medical device packaging materials, which includes ISO 10993-5 in-vitro cytotoxicity testing. Results available upon request

Shelf Life

Aging studies conducted on many Oliver products demonstrate a shelf stability of up to 5 years. Most packaging materials are designed for stability over long periods of time provided good storage and handling practices are exercised.

Storage Conditions

Keep product in original package. Product should be stored at ambient warehouse conditions.

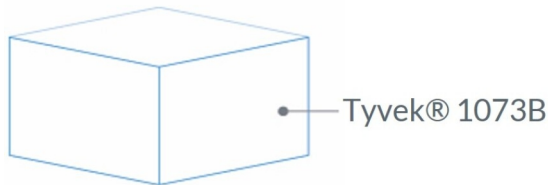
Sealing Conditions

Optimum sealing conditions are highly dependent upon the materials being sealed, the equipment, and production rates. Our recommendation is to begin testing at 127°C (261°F), 1.0 second, 50 psi.

UT-73

also marketed as Tyvek 1073B

Tyvek® 1073B



| Attribute | Test Method | Typical Value (US) | Typical Value (Int'l) |
|------------------------------|-------------|---------------------------|--------------------------|
| PHYSICAL | | | |
| Basis Weight | ASTM D3776 | 2.2 oz/yd ² | 74.7 g/m ² |
| Yield | Calculated | 9,426 in ² /lb | 13.4 m ² /kgg |
| Thickness | EN ISO 534 | 7.8 mil | 199 µm |
| MECHANICAL | | | |
| Tensile Strength (MD) | EN ISO 1924 | 46 lb/in | 205 N |
| Tensile Strength (CD) | EN ISO 1924 | 49 lb/in | 219 N |
| Elmendorf Tear (MD) | ASTM D1424 | 0.7 lb | 3.2 N |
| Elmendorf Tear (CD) | ASTM D1424 | 0.9 lb | 4.0 N |
| Elongation (MD) | EN ISO 1924 | 20% | 20% |
| Elongation (CD) | EN ISO 1924 | 24% | 24% |
| Mullen Burst | EN ISO 2758 | 175 psi | 1,207 kPa |
| PERMEATION | | | |
| Porosity (Gurley) | TAPPI T460 | 22 sec/100cc | — |
| Porosity (Bendtsen) | ISO-5636-3 | — | 540 mL/min |

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Description

Tyvek is a medical packaging grade material for use in many applications. It is a spunbonded olefin that is manufactured from very fine continuous filaments of high-density polyethylene (HDPE) bonded together with heat and pressure. 1073B has outstanding microbial barrier characteristics and superior tear strength and puncture resistance.

Typical Application

This product is compatible with ethylene oxide (EO), gamma radiation, electron-beam radiation, and steam sterilization. It is the strongest form of Tyvek and is recommended for sterile packaging of high-risk medical products.

Biocompatibility

UT-73 has been proven to be non-cytotoxic. Testing was conducted in accordance with ASTM F2475-05, standard guide for bio-compatibility evaluation of medical device packaging materials, which includes ISO 10993-5 in-vitro cytotoxicity testing. Tyvek 1073B has also passed USP class VI testing for implantable plastics. Results available upon request.

Shelf Life

Aging studies conducted on many Oliver products demonstrate a shelf stability of up to 5 years. Most packaging materials are designed for stability over long periods of time provided good storage and handling practices are exercised.

Storage Conditions

Keep product in original package. Product should be stored at ambient warehouse conditions.