

LifeX™ High Barrier Film (NYLN)

The LifeX™ line of Food Application Systems (FAS) materials offers bags converted from coextruded films to improve packaging productivity in retail and bulk distribution/institutional applications. NYLN is a 5-layer coextruded film featuring excellent barrier properties, superior tear resistance, good clarity and strength. NYLN is designed with superior oxygen transmission rate (OTR) qualities, making it most suitable for use in modified atmosphere packaging and as an aroma, gas, flavour, and solvent barrier.



Genuine Autobag® bags-on-a-roll and SidePouch™ bags-in-a-box, are system-matched and guaranteed to run on all Automated Packaging Systems bagging equipment.

User Benefits

- Superior Oxygen Transmission Rate
- Superior Puncture Resistance
- Good Clarity & Strength

Typical Applications

- Frozen and IQF Food Products
- Meat, Poultry Fish and Meat By-Products
- Fresh Produce, Fruits and Vegetables
- Pet Food Snacks
- Any application where excellent barrier properties and strength are required

Technical Specifications

| | |
|--------------------------|---|
| Compliances MLT1: | FDA 21 CFR 177.1520 |
| Press Printing: | Yes |
| Imprinting: | Yes |
| Trim Seal: | No |
| Mil Thickness: | 2.0, 2.5 |
| Configuration: | Autobag and SidePouch with restrictions |

| Performance Data: | U/M | 2.0/SD | ASTM |
|----------------------------|----------------------------|--------|--------|
| Haze | % | - | D1003 |
| Puncture Resistance (Dart) | grams | >800 | D-1709 |
| Tensile Strength MD | psi | 5500 | D-882A |
| Tensile Strength TD | psi | 5000 | D-882A |
| Elongation MD | % | 450 | D-882A |
| Elongation TD | % | 500 | D-882A |
| Elmendorf Tear MD | grams | 200 | D-1922 |
| Elmendorf Tear TD | grams | 250 | D-1922 |
| OTR | cc/100in ² /day | 4.0 | D-3985 |
| MVTR | g/100in ² /day | 0.5 | F-1249 |



Above chart reflects nominal test values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect MLT1 & 2 materials only. Certain minimum purchase volumes may apply.

MIL NYLN

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