

LifeX™ High Barrier Nylon Film (NYLN)

LifeX nylon film is a 5-layer co-extruded material with excellent barrier properties. Its low oxygen transmission rate (OTR) and moisture vapor transmission rate (MVTR) make LifeX NYLN ideal for products that require aroma, gas, flavor and solvent containment; as well as modified atmosphere packaging.

NYLN is also ideal for use in applications where tear notches are required, and is FDA approved for direct food contact.

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

Technical Information

Compliances	FDA 21 CFR 177.1520
Press Printing	Yes
Imprinting	Yes
Trim Seal	No
Bag Mil Thickness	2.0, 2.5
Bag Configurations	Autobag; SidePouch with restrictions

Performance Data:	U/M	2.0 mil	2.5 mil	ASTM
Haze	%	10.6	12.3	D-1003
Puncture Resistance (Dart)	grams	422	456	D-1709
Tensile Strength MD	psi	3719	3750	D-882A
Tensile Strength TD	psi	3793	3775	D-882A
Elongation MD	%	623	615	D-882A
Elongation TD	%	707	735	D-882A
Elmendorf Tear MD	grams	123	154	D-1922
Elmendorf Tear TD	grams	145	181	D-1922
OTR	cc/100in ² /day	4.8	3.8	D-3985
MVTR	g/100in ² /day	0.51	0.41	F-1249

Formulations

• NYLN



Features & Benefits

- 5-layer co-extruded nylon
- Excellent OTR and MVTR
- FDA approved for direct food contact



Chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect NYLN material only. Certain minimum purchase volumes may apply.

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Patent(s): www.autobag.com/patents

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