

DATA SHEET

BIG BLUE L100

Low Temperature Multi-layer vacuum bagging film

Description

Big Blue L100 is a multi-layer bagging film for applications where a wide film is required. It is suitable for resin infusion and wet lay-up where the cure temperature does not exceed 250 °F (121°C).

MECHANICAL

TEST METHOD

Big Blue L100

Elongation at break:

ASTM D882

MD >350%

Tensile Strength:

ASTM D882

TD >400%

MD >22 Mpa

TD >22 Mpa

THERMAL

Maximum Use Temperature: IPPT101

250°F (121°C)

PHYSICAL

Density:

ASTM D792

1.00 g/cc

Yield:

N/A

13.3 m²/kg/75μ

Color:

N/A

Blue

Shelf Life:

N/A

18 months

Standard sizes available:

Thickness: .003" (75 μ)	
Total width (m)	Length (m)
157" (4m)	541' (165m)
236" (6m)	360' (110m)
315" (8m)	272' (83m)
394" (10m)	219' (67m)
472" (12m)	183' (56m)

*Other widths available per special order.

CATALOG POSITION: **BAGGING FILM**

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DATA SHEET

ECONO PEEL PLIES

Description

Our line of “Econo” peel plies is high in quality, yet inexpensive. They are designed to work in resin infusion or hand lay-up processes. “Econo” peel plies assist or eliminate the need for sanding or abraiding on your composite laminate.

- Econo Ply E** A heavier version of Econo-ply J and is designed for use in more difficult environments or when a more textured surface is required for secondary bonding.
- *Econo Ply J** This is least expensive polyester peel ply and has a tight weave that is very drapable.
- Econolease** This silicone treated nylon peel ply provides greater release in difficult environments.
- Econostitch** A nylon peel ply with red tracers makes this peel ply more visible before and after a cure, reducing the possibility of the peel ply being left on the part.
- Econostitch 66** A heat set and scoured nylon 66 peel ply with red tracers, designed for applications where a high heat resistance and increased strength is required.
- Econostitch 5445** A heat set and scoured nylon 6 peel ply with red tracers that has a tighter weave construction than standard peel plies and typically allows for easier release.
- Econostitch G** An economical polyester peel ply with black tracers offering good performance when used with both polyester and epoxy resins.

* A short roll length version can be ordered directly online at www.airtechonline.com.

CATALOG POSITION: **RELEASE FABRICS**

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DATA SHEET
ECONO PLY

Product	Color	Yarn Type	Weight oz./yd ² (g/cm ²)	Thickness in. (cm)	Maximum Recommended Use Temperature ⁽¹⁾ °F. (°C)	Standard Roll Width in. (cm)	Standard Roll Length yd. (m)
Econoply E	White	Polyester	2.8 (0.0095)	0.006 (0.015)	300 (149)	60 (152)	250 (229)
Econoply J	White	Polyester	1.6 (0.0054)	0.003 (0.0076)	250 (121)	60 (152)	100 (91)
Econolease	Lt. Blue	Silicone Coated Nylon	1.8 (0.0061)	0.004 (0.0010)	400 (204)	60 (152)	100 (91)
Econostitch	White w/Red Tracers	Nylon	2.6 (0.0088)	0.006 (0.015)	375 (190)	60 (152)	300 (274)
Econostitch 66	White w/Red Tracers	Nylon 66	2.5 (0.0085)	0.006 (0.015)	375 (190)	71 (180)	218 (200)
Econostitch 5445	White w/Red Tracers	Nylon 6	2.9 (0.010)	0.007 (0.018)	375 (190)	71 (180)	218 (200)
Econostitch G	White w/Black Tracers	Polyester	2.5 (0.0085)	0.005 (0.013)	375 (190)	71 (180)	218 (200)

1) Maximum recommended use temperature is dependent upon the duration at maximum temperature and is process specific. Airtech recommends testing prior to use.

All values shown are nominal. Hot knife slitting upon request. Roll width tolerance is ±1 in. (±2.54 cm). All materials have unlimited shelf life.

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ECONO PLY

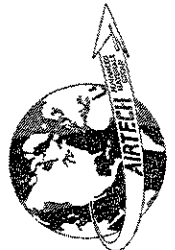
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