

Lyoplant[®] Onlay

Adding another layer of confidence to every procedure



Aesculap Neurosurgery

AESCULAP[®]

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For more than 140 years, Aesculap Neurosurgery has developed products that expand surgical possibilities for surgeons worldwide. Lyoplant Onlay expands upon this philosophy in offering a biological, absorbable dura substitute consisting of a bilayer membrane, designed to provide superior protection and ease of use.

Indications for Use

Lyoplant Onlay is indicated as a dura substitute for the repair of the dura matter.

See Instructions for Use for additional information, including warnings and precautions.

Rx Only

RELIABLE

Helps protect against CSF leakage
Excellent resorption rates
Superior tensile strength*
Strong biocompatibility

SIMPLE

Familiar use
Time-saving onlay application
Convenient handling
Superior suture pull-out*

VERSATILE

Multi-use: Onlay or Suturable
40% thinner than competition*
Excellent elasticity and flexibility
Helps prevent cortical adhesion

*Biomechanical data is on file at Aesculap, Inc.

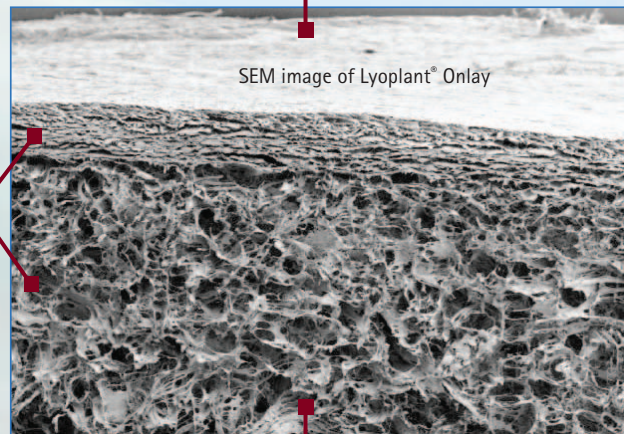
Lyoplant[®] Onlay

A Multi-layer SOLUTION with a History you can TRUST!

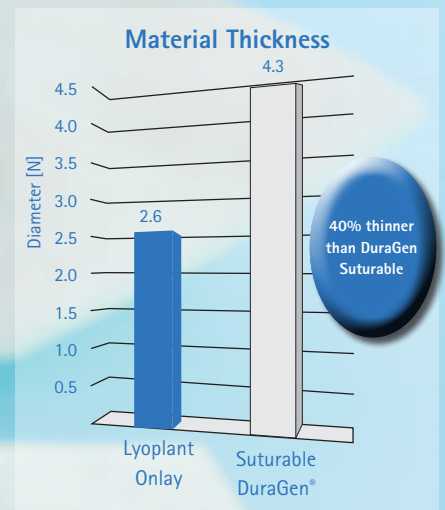
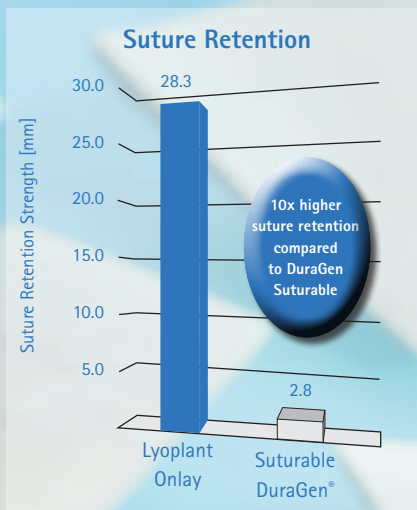
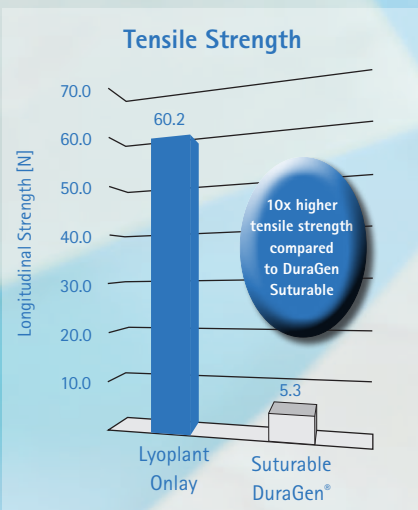


The **two layers** are not chemically crosslinked. The close connection between the two layers as well as the production of the materials itself is obtained by a very gentle lyophilization (freeze drying) process.

Layer 1 is a highly purified collagen element that is produced from bovine pericardium. This collagen is known for its low propensity to cause immunological reactions. It is the same strong and tear-proof material used for our well established suturable dura substitution Lyoplant.



Layer 2 is also a highly purified collagen element, made from bovine split hide. The fleece-like spongy quality of this layer allows the implant to adhere to the dura around the defect. Thus, Lyoplant Onlay can be applied as an Onlay simply by laying the implant on the dura. This possibility of a sutureless closure of the dura defect can save valuable OR time.



Disclaimer: All testing results are based on averages. Tensile strength and Suture Retention testing were performed in a rehydrated state.

DuraGen is a registered trademark of Integra Life Sciences Corporation.

Lyoplast[®] Onlay

Product Application

Lyoplast Onlay provides a reliable, simple and versatile solution to meet every patient need.

CUT

- Lyoplast Onlay can be cut in the required shape and size easily.
- Onlay technique: The implant should overlap the dura defect by approx. 1 cm to ensure maximal adhesion and a liquid-tight seal.
- Suturing: The implant should be cut as closely as possible to the defect size.

REHYDRATE

- Prior to implantation, Lyoplast Onlay is placed in sterile saline solution or in another isotonic solution to ensure optimal conformity.

APPLY

- Ensure that the fleece-like, porous side (labeled 'DURA SIDE') is facing downward.
- Onlay technique: The implant simply has to be laid flat against the defect edges, ensuring that it is not taut.
- Suturing: If required and if considered necessary by the user, Lyoplast Onlay can be sutured in place. The implant should be fixed with non-absorbable suture material (polyester, polypropylene), using atraumatic round-bodied needles.

Lyoplant[®] Onlay

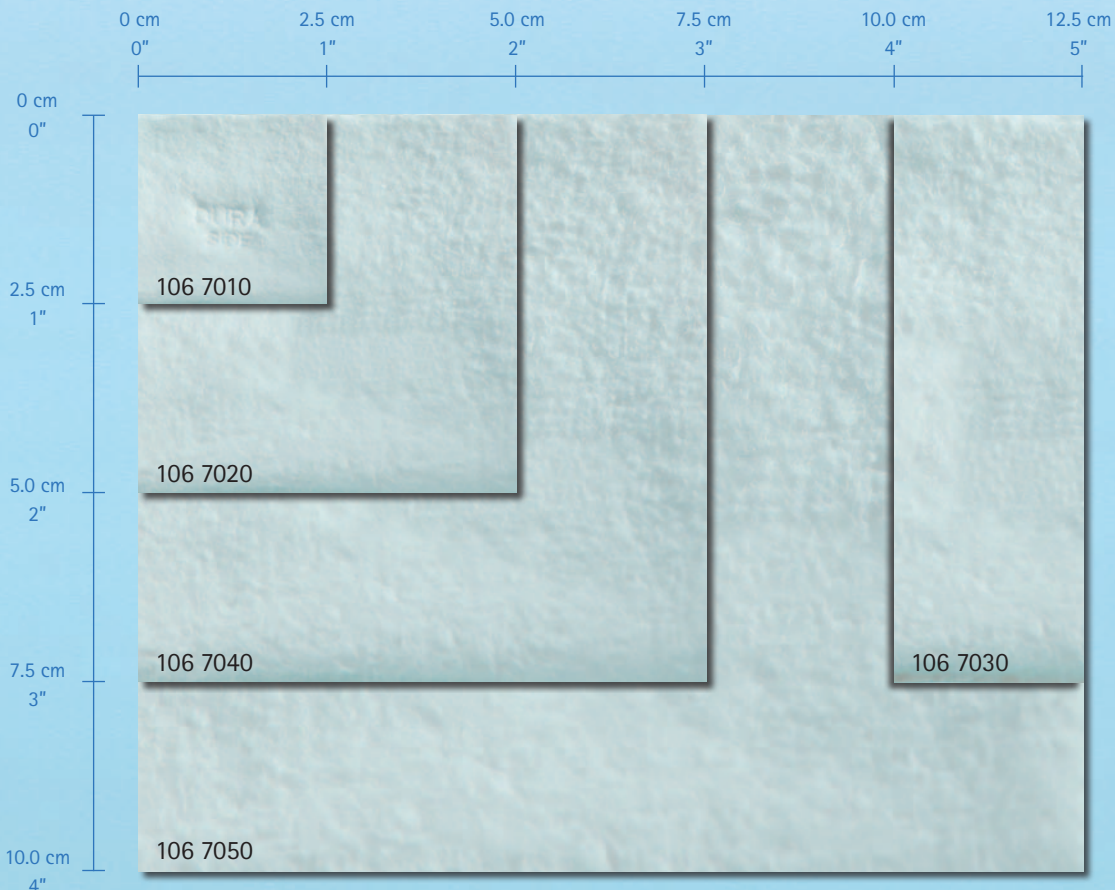
Configurations



The raw material's origin is New Zealand, which is regarded as a BSE-free country by the WHO. Pericardium is a tissue proven to have no detectable infection potential.* Additionally the material is treated with NaOH (sodium hydroxide) to inactivate agents causing BSE.

**Data on file.*

Sizes		Content	Item No.
2.5 x 2.5 cm	1" x 1"	1 piece	106 7010
5.0 x 5.0 cm	2" x 2"	1 piece	106 7020
2.5 x 7.5 cm	1" x 3"	1 piece	106 7030
7.5 x 7.5 cm	3" x 3"	1 piece	106 7040
10.0 x 12.5 cm	4" x 5"	1 piece	106 7050



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