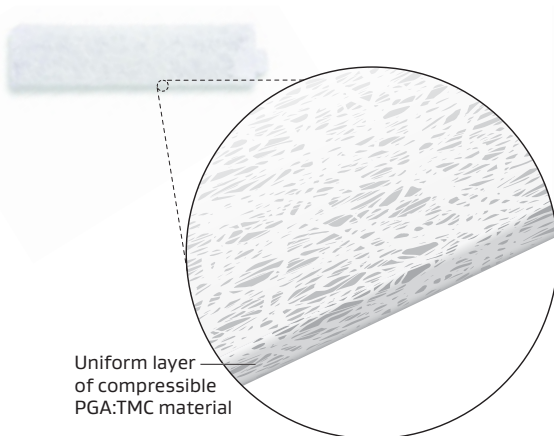


GORE® SEAMGUARD®

Bioabsorbable Staple
Line Reinforcement

See the material difference

There are many properties of staple line reinforcement (SLR) products to understand and evaluate when making a product choice. See the comparison below.



GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement

Material

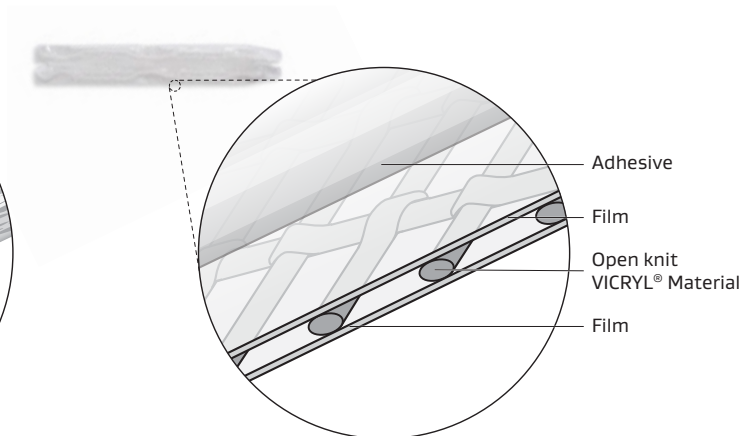
Composed of an intricate 3D matrix of 67% polyglycolic acid (PGA) and 33% trimethylene carbonate (TMC).

Thickness

Total device thickness is 0.4 mm¹

Absorption

PGA:TMC material absorbs slowly over 6–7 months.² Slower degradation creates minimal inflammatory response, especially during early post-op time points which is the critical healing period.³



ETHICON ECHELON ENDOPATH® Staple Line Reinforcement

Material

Two layers of polydioxanone film surround a layer of VICRYL® Material (copolymer of 90% glycolide and 10% L-lactide). The adhesive is composed of a mixture of water soluble alkylene oxide copolymers.

Thickness

Total device thickness is 0.4 mm⁴

Absorption

Absorbs over 4 months, which is 60% faster than GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement.^{1,4} Other comparable SLR's with similar rates of absorption have demonstrated a higher inflammatory response during the critical healing period.³

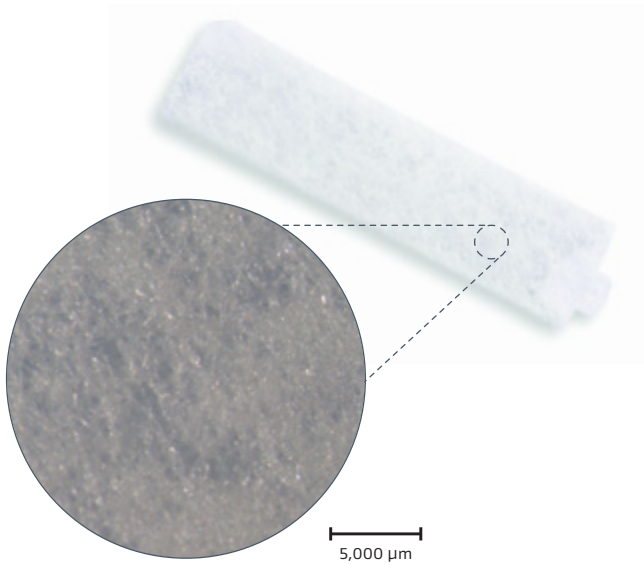
ETHICON and ECHELON ENDOPATH are trademarks of Ethicon, Inc., a Johnson & Johnson Company.
VICRYL is a trademark of Johnson & Johnson Company.

Together, improving life



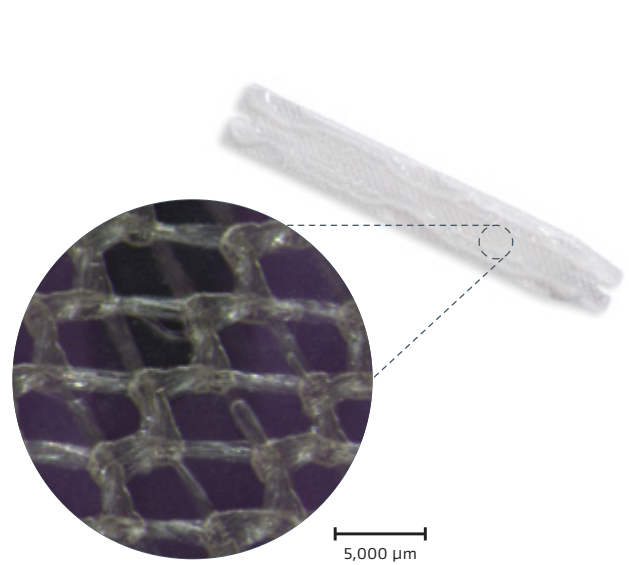
See the material difference

GORE® SEAMGUARD® Bioabsorbable
Staple Line Reinforcement

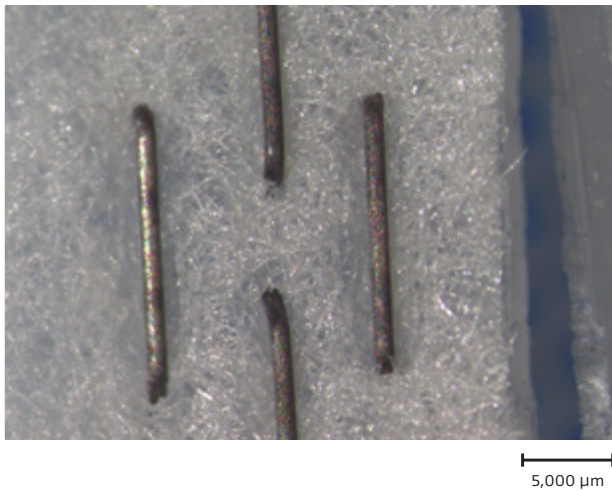


No clear or obvious voids or spaces

ETHICON ECHELON ENDOPATH®
Staple Line Reinforcement

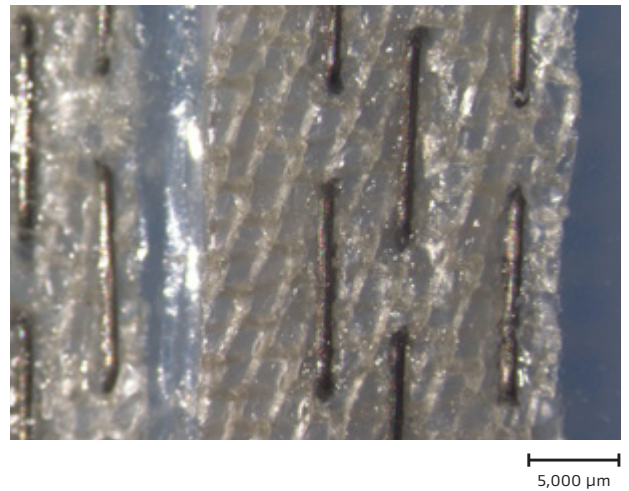


Clear voids and spaces



100%

Coverage of the staple line
with buttress material



~60%

Only partial coverage of the staple line
with VICRYL® Material⁵

See the material difference

GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement is:

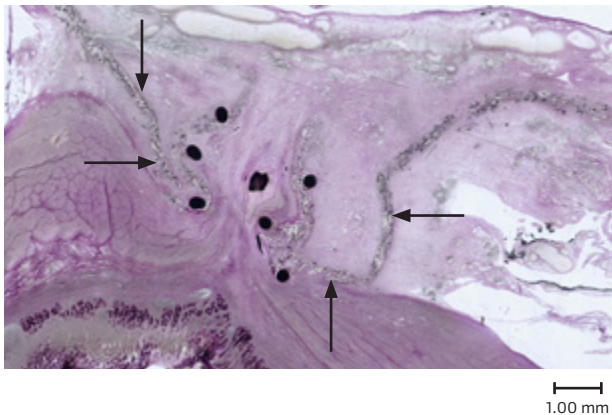
- This results in a staple line reinforcement that more closely aligns with the anatomical contours of the staple line.⁵
- Uniform contact of the material with staples and tissue evenly distributes pressure to reduce bleeding, supported by randomized prospective data.^{6,7}

13.9× less stiff

versus ETHICON ECHELON ENDOPATH® Staple Line Reinforcement^{*,5}

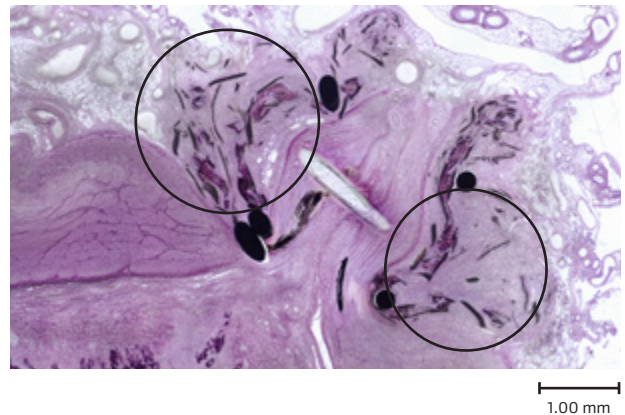
Hematoxylin and eosin stain of porcine tissue

GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement



Physical form of the material maintained 14 days after the procedure. Arrows are pointing to the continuous staple line reinforcement.

ETHICON ECHELON ENDOPATH® Staple Line Reinforcement



A loss of physical form is evident 14 days after the procedure. Circled are dispersed components of the staple line reinforcement.

In a porcine study at 14 and 21 days after procedure:

GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement remains **largely in place**, while components of the ETHICON ECHELON ENDOPATH® Staple Line Reinforcement have dispersed.⁸

* Stiffness properties have been characterized through Young's Modulus.

See the packaging difference

GORE® SEAMGUARD® Bioabsorbable
Staple Line Reinforcement



ETHICON ECHELON ENDOPATH®
Staple Line Reinforcement



194%

less sterile waste

with GORE® SEAMGUARD® Bioabsorbable
Staple Line Reinforcement

versus ETHICON ECHELON ENDOPATH®
Staple Line Reinforcement⁵

51%

more storage space required

for ETHICON ECHELON ENDOPATH®
Staple Line Reinforcement

versus GORE® SEAMGUARD® Bioabsorbable
Staple Line Reinforcement⁵

Staple line reinforcement package sizes for multipack boxes⁵

	GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement 12-Pack	ETHICON ECHELON ENDOPATH® Staple Line Reinforcement 6-pack
Volume (in ³)	210.4	277.6
Volume per device (in ³)	17.5	46.3

Summary of key differences

	GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement	ETHICON ECHELON ENDOPATH® Staple Line Reinforcement
Staple line coverage	100% staple line coverage.	~60% coverage of the staple line with VICRYL® Material. ⁵
Material properties	GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement is 13.9× less stiff versus ETHICON ECHELON ENDOPATH® Staple Line Reinforcement allowing the reinforcement to more closely align with the anatomical contours of the staple line. ⁵	
Anastomotic applications	Circular configurations of GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement are specifically intended for anastomotic use. Clinical data supports the use in anastomotic applications and demonstrates no interference with healing of the staple line. ⁹	<i>Instructions for Use</i> warns that based on limited preclinical and clinical data, the “material may interfere with normal anastomotic healing and desired apposition of tissues” when placed between opposing sides of an anastomosis. ⁴
Robotic stapling configurations	Compatibility with the INTUITIVE® SUREFORM 60 Stapler CONFIRMED by Gore and Intuitive Surgical, Inc.	Confirmation of compatibility with the INTUITIVE® SUREFORM 60 Stapler by Intuitive Surgical, Inc. is unknown.
Tissue response	Material largely retained its morphology after 14 and 21 days in a porcine model. ⁸	Material visibly dispersed after 14 and 21 days in a porcine model. ⁸
Sterile waste	194% less sterile waste with GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement versus ETHICON ECHELON ENDOPATH® Staple Line Reinforcement. ⁵	

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