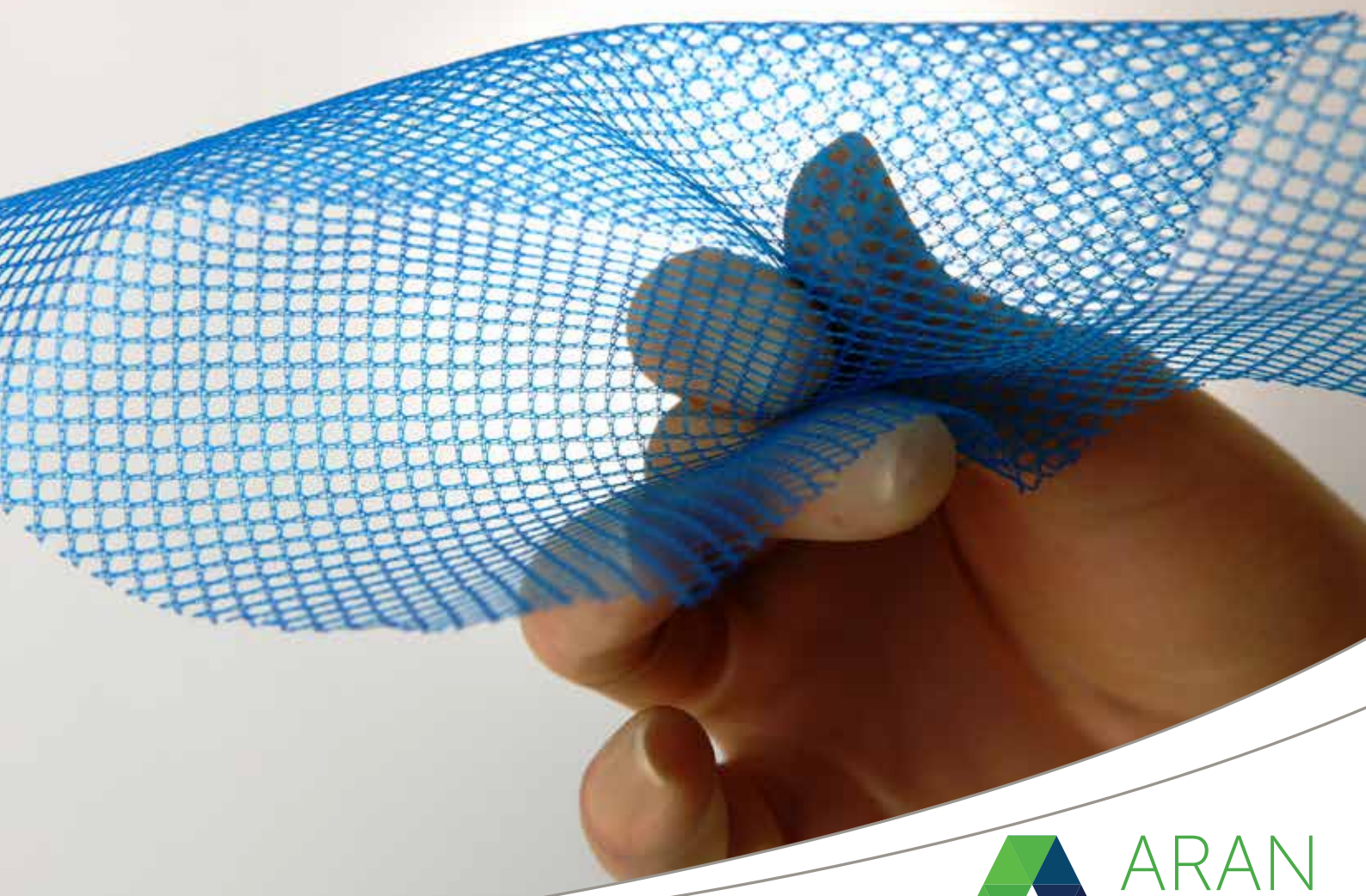
VitaMESH™ BLUE

Lightweight Macroporous Polypropylene Mesh



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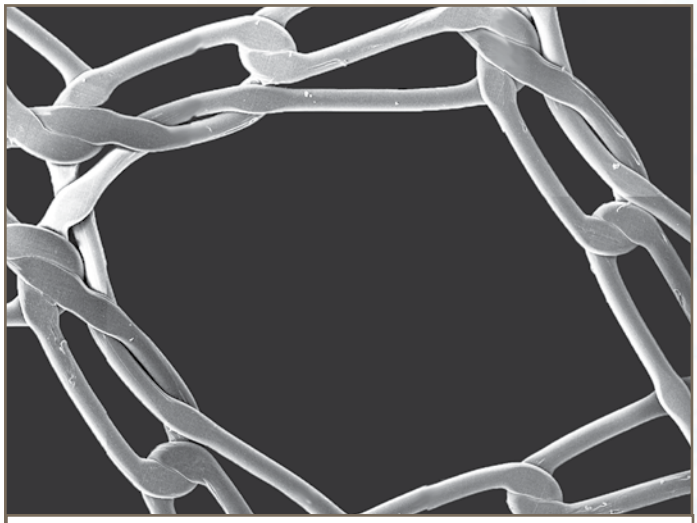
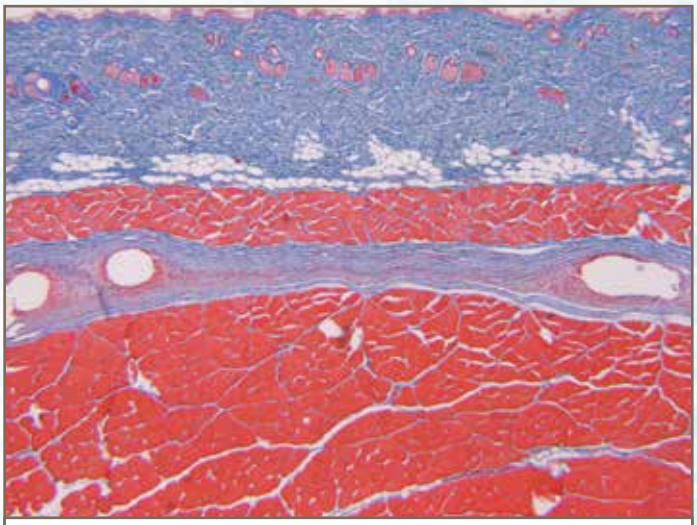
VitaMESH™ BLUE Lightweight Surgical Mesh

VitaMESH™ Blue Lighweight Macroporous PP Surgical Mesh is an implant suitable for different types of fascial defects. VitaMESH BLUE provides the favourable ingrowth and healed strength characteristics of a large pore monofilament polypropylene mesh with optimised handling and biocompatibility attributes in one high performance implant of condensed polypropylene (cPP).



5.5mm^2 Pore Size



Macroporous Open Pore Structure

Technical Characteristics[1] : VitaMESH BLUE

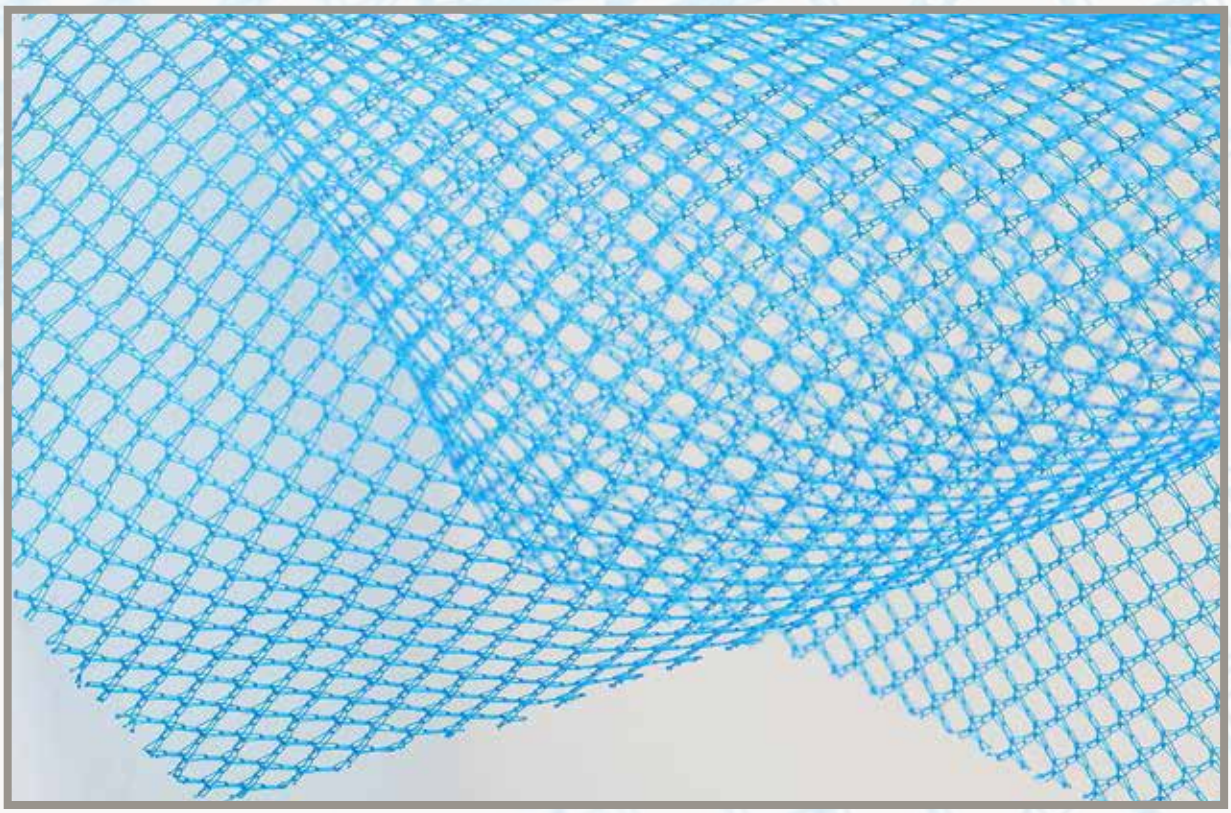
Characteristic	VitaMESH™ BLUE
Areal Density	28.3 g/m^2
Pore Size	5.5 ± 1.5 mm^2
Thickness	0.0075” ± 0.0015”
Burst Strength	208.9 N
Tensile Strength (Normal)	27 N
Flexural Rigidity/ Stiffness	2.5 N
Monofilament Diameter	0.005”

Tailored for Minimally Invasive Hernia Repair

- Strong and durable cPP material provides higher levels of strength compared to other lightweight meshes.[1,4]

- Reduced surface area, void area and a large pore structure for improved healing and biocompatibility with less fibrous tissue encapsulation.[2,4]

- A 125 micron monofilament fibre is used to produce a porous mesh with a weight of 28.3 g/m^2. [1]



- Up to 80% reduction in thickness over predicate devices and a low coefficient of friction improve ease of use and trocar deployment. [4]

- Transparent open pore structure does not inhibit view, and blue fibre contrasts effectively with the underlying tissue structures.[1]

- Macroporous open pore structure promotes rapid healing and dense collagen formation.[1] Pore size is compatible with most surgical fixation products.

References

1. *Bench testing at Aran Biomedical – data on file.*
2. *Klinge, U. et al., "Foreign body reaction to meshes used for the repair of abdominal wall hernias," Eur J Surg (1999); 165: 665-673.*
3. *Deeken et al., "Mechanical properties of the abdominal wall and biomaterials utilized for hernia repair", Journal of the Mechanical Behavior of Biomedical Materials (2017), 74: 411-427.*
4. *Est et al., "Multi-directional mechanical analysis of synthetic scaffolds for hernia repair", Journal of the Mechanical Behavior of Biomedical Materials (2017), 71: 43-53.*

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ARAN BIOMEDICAL TEORANTA
COILLEACH, SPIDDAL, CO. GALWAY, H91 C2NF, IRELAND
+353 (0) 91-896900 | WWW.ARANBIOMEDICAL.COM