



POLYPROPYLENE / SILICONE

General Surgery

VISCERAL CONTACT MESH

► It is a sterile mesh nondeformable, nonabsorbable, composed of two sides, one side of 100% polypropylene, non-woven micro-perforated and the other side is made of Silicone, both sides are thermobonded.

Free of strange particles, recovers its initial shape after handling. It may be rounded or straight edges.

Biocompatibility according to the test for ISO 10993:

- Cytotoxicity (*) : Not Cytotoxic (ISO 10993-5)
 - Sensitization (*) : Hypoallergenic (ISO 10993-10)
 - Implantation (*) : Non-irritating (ISO 10993-6)
 - Genotoxicity (*) : Not mutagenic (ISO 10993-3)
 - Toxicity (*) : Non-toxic (ISO 10993-11)
- (*) Biocompatibility test are made during the development process.



Uses:

- Hernias and eventration laparoscopically or general surgery.

- Security.
- Reliability.
- High Resistance.

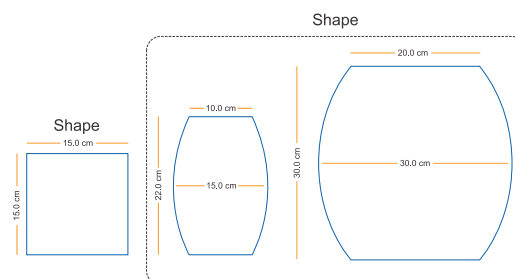
Scale 5:1



Tensile strength
≥ 350N/5cm

Thickness (mm)
0.94

Presentation



PGA-PCL POLYPROPYLENE

General Surgery

SURGICAL MESH DUAL SUTUMED

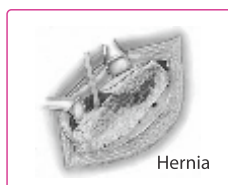
New surgical meshes **Sutumed Dual** are made with polypropylene (non-absorbable material) and PGA - polyglycolic acid more PCL - Polycaprolactone (absorbable material).

With absorption polyglycolic acid through hydrolysis process performed by the body, is the polypropylene mesh whose structure is designed to withstand physiological stresses.

This degradation of PGA - PCL produce a mesh with the lightest market (30 g / m2) and good tensile strength (kgf32).

Benefits of Dual mesh Sutumed

- High tensile strength with the least amount of foreign body in the patient (30g / m2).
- Excellent flexibility after absorption (soft and lightweight mesh).
- Better integration of tissue due to large pores.



Uses:

- General Surgery
Hernias and eventration

- Security.
- Reliability.
- High Resistance.



Scale 5:1



Weight (g/m2)

PP + PGA-PCL
~ 87 g/m2

Sólo PP
≤ 30 g/m2

Tensile strength
≥ 32 Kgf

Tensile strength after
absorption
≥ 22 Kgf

Typical size
pore (mm)
2.5 ± 1.0

Thickness (mm)
0.50 ± 0.05

INCHES	Width	6"
	long	6"
CENTIMETERS	Width	15.4 cm
	long	15.4 cm

POLYPROPYLENE

General Surgery

POLYPROPYLENE - GENERAL SURGERY

► **Sutumed** Surgical mesh is made of polypropylene monofilament entangled smaller diameter, which allows stretching in both directions to accommodate and reinforce tissue defects, the high resistance of the mesh allows you to work safely and reliably.

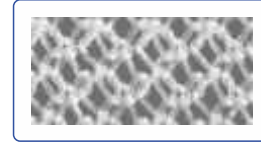
Sutumed Surgical mesh is recommended for interventions in general surgery. Its aim is to reinforce weakened soft tissue, ie, repairing hernias and abdominal wall defects.

Sutumed is inert in case of infection.

Sutumed is a polypropylene surgical mesh, synthetic nonabsorbable, is available in standard dimensions and other sizes.



Scale 5:1



Tensile strength
≥ 18 Kgf

Typical size pore (mm)
1.2 x 1.4

Weight (g/m2)
70

Thickness (mm)
0.56



Hernia

Uses:

- General Surgery
Hernias and eventration

INCHES	Width	11.8"	4"	4"	12"	4.5"	5.4"	6"	6"	14"	12"
	Long	0.98"	1"	1.8"	2"	2.5"	2.4"	3"	6"	10"	12"
CENTIMETERS	Width	30.0 cm	10.1 cm	10.1 cm	30.5 cm	11.4 cm	13.7 cm	15.2 cm	15.0 cm	35.5 cm	30.0 cm
	Long	2.5 cm	2.5 cm	4.5 cm	5.0 cm	6.3 cm	6.1 cm	7.6 cm	15.0 cm	25.4 cm	30.0 cm

- Security.
- Reliability.
- High Resistance.

POLYPROPYLENE

General Surgery

GENERAL SURGERY, UROLOGY AND GYNECOLOGY

Surgical Mesh **Sutumed Light Plus** is a monofilament polypropylene mesh with low weight and larger pores, allowing stretching in both directions to accommodate and reinforce tissue defects.

This allows to easily adapt to the anatomy through the interstices of the mesh, forming a fibrous wall, thinner and more flexible body, it will accommodate the patient's movements.

Surgical Mesh **Sutumed Light Plus** is indicated to reinforce the soft tissue was weakened, ie tissue repair hernias and abdominal wall defects and vaginal prolapse, cystocele and rectocele.

Surgical Mesh **Sutumed Light Plus** is an inert product in case of infection and has good resistance to stress.



Scale 5:1

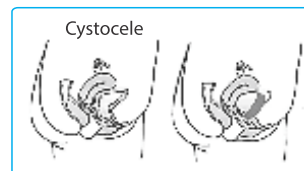


Tensile strength
≥ 18 Kgf

Typical size pore (mm)
1.5 x 1.7

Weight (g/m2)
55

Thickness (mm)
0.36



Cystocele

Uses:

- Hernias
- Gynecology
- Urology

INCHES	Width	11.8"	4"	4"	12"	4.5"	5.4"	6"	6"	14"	12"
	Long	0.6"	1"	1.8"	2"	2.5"	2.4"	3"	6"	10"	12"
CENTIMETERS	Width	30.0 cm	10.1 cm	10.1 cm	30.5 cm	11.4 cm	13.7 cm	15.2 cm	15.0 cm	35.5 cm	30.0 cm
	Long	1.5 cm	2.5 cm	4.5 cm	5.0 cm	6.3 cm	6.1 cm	7.6 cm	15.0 cm	25.4 cm	30.0 cm

- Thinner.
- Greater flexibility.

CONTRAINDICATIONS:

The literature reports that there is a possibility of adhesion when the mesh is placed in direct contact with the intestine or viscera. It should be considered erosion and migration of the fabric when used in dressings gastric procedures. Changes should be considered records when used in children or infants with future growth potential, it is possible that the prosthetic mesh will not stretch enough as the child grows.

WARNINGS:

1. This device must be sterile before use, it is recommended to inspect the package to ensure it is not broken or damaged.
2. If Sutures were used to secure the mesh in place, we recommend using sutures with absorbable monofilament fibers not.
3. To prevent recurrences to repair inguinal hernias, the fabric should be large enough to extend beyond the tubercle or bulge and should

fit well around the cord at the height of the inner ring, many surgeons during the procedure make a cut in the web to facilitate placement thereof around the cord.

4. As intact mesh shows high resistance to tension and division, however, and in special circumstances where excessive force is applied on the fabric, the following guidelines may be helpful to them:

- a) When a cut in the fabric is made, the form "u" with rounded tip withstand greater force than the form "v" ending in a sharp point, also for better results is recommended to cut the fabric perpendicular to the edge skirted.
- b) The inherent tension resistance of the mesh is stronger in the direction perpendicular to the bordered edges, fold the fabric also can increase the strength of the repair.

NOTE: The bordered edges are recognized as parallel edges, with a smooth finish and a slightly raised contour.