

**SILICONE POLYMER - COMPOSITE MESH**

Netsil Mesh is an intraperitoneal Dual Mesh composed of 3D polymer matrix and medical grade silicone. The most important feature is the fusion of two functionally distinct surfaces on a composite mesh. The visceral side is made of non-adherent silicone which prevents adhesion formation. The parietal side is made of 3D polymer matrix for an easier tissue fixation and colonization.

**3D POLYMER MATRIX**

- 01 Thermally interlaced polymer fibers that give it greater strength and flexibility.

**FULLY CUSTOMIZABLE**

- 02 Our Mesh can be easily trimmed and shaped thereby enabling optimal Hernia Repairs.

**SILICONE BARRIER**

- 03 Translucent silicone barrier facilitates visualization of underlying tissues and vessels.

**SEROMA DRAINAGE**

- 04 Well-proportioned drainage holes to ensure seroma drainage in time to prevent infections.

**APPLICATIONS:**

- ◆ Laparoscopic Hernia Repair/Minimally Invasive Ventral.
- ◆ Incisional Hernia Repair.
- ◆ Umbilical Hernias (For Visceral Contact).

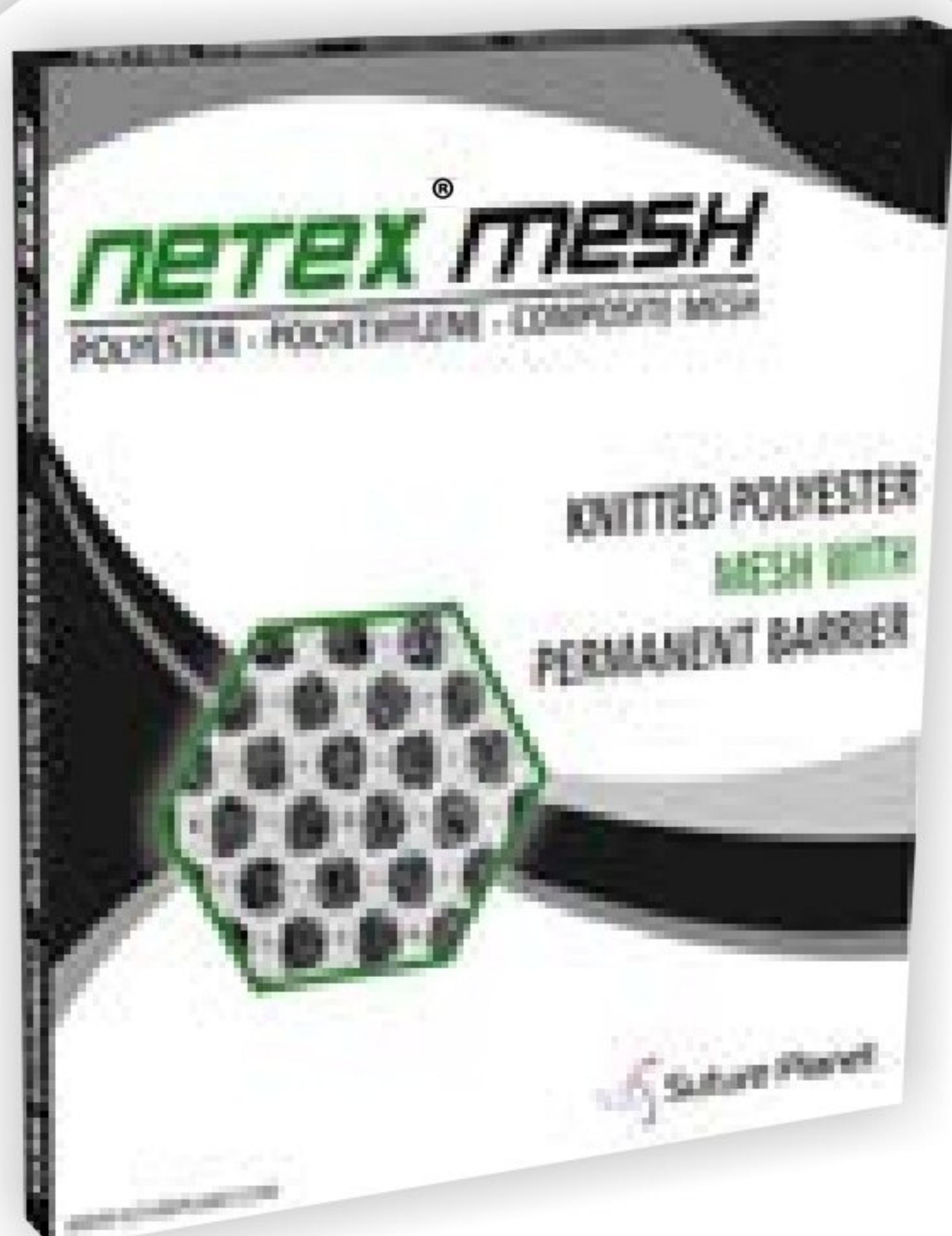
**TECHNICAL SPECIFICATION:**

<b>Burst Strength</b>	- > 03 Kg/cm <sup>2</sup>
<b>Thickness (mm)</b>	- ≈ 0.65 mm
<b>Absorption type</b>	- Non Absorbable
<b>Placement marker</b>	- Yes

<b>CODE</b>	<b>SIZE</b>	<b>SHAPE</b>	<b>MRP</b>
NMR0611	06cm x 11cm	Rectangular	21,000
NMR0815	08cm x 15cm	Rectangular	29,000
NMR1015	10cm x 15cm	Rectangular	32,000
NMR1515	15cm x 15cm	Square	35,000
NMR1520	15cm x 20cm	Rectangular	40,000
NMR3030	30cm x 30cm	Square	98,000
NMC10	10cm	Circular	30,600
NMC12	12cm	Circular	32,700
NMC15	15cm	Circular	35,800

## POLYESTER - POLYETHYLENE - COMPOSITE MESH

Netex Mesh is a composite non absorbable prosthesis designed for the reconstruction of soft tissue deficiencies. Its low profile makes it conducive for laparoscopic deployment. NETEX MESH is made from one layer of polyester mesh that's easy to work with because it is neither too soft nor too rigid. The second layer is composed of medical grade polyethylene film. The result is a balanced mesh that has been designed keeping both the surgeon and patient in mind.



### HIGH BURST STRENGTH

- 01 • The mesh is extremely strong, having a burst strength of more than  $10\text{kg}/\text{cm}^2$   
• High mechanical resistance

### PERMANENT BARRIER MESH

- 02 • Less chance of adhesion  
Minimal shrinkage  
• Less chance of migration

### MACROPORE KNITTED DESIGN

- 03 • Fast and complete tissue ingrowth  
• Large pore size enhances connective tissues growth

### TRANSLUCENT MESH

- 04 • Easy to figure underlying anatomy  
• Soft pliable mesh, easy to fix with sutures and tackers

### APPLICATIONS:

- ◆ Ventral/ Incisional Hernia
- ◆ Umbilical / Para umbilical Hernia
- ◆ Hiatus Hernia
- ◆ Direct / Indirect Inguinal Hernia
- ◆ Femoral Hernia

### TECHNICAL SPECIFICATION:

Burst Strength	- $> 10 \text{ Kg}/\text{cm}^2$
Thickness (mm)	- $\simeq 0.47 \text{ mm}$
Absorption type	- Non Absorbable
Placement marker	- Yes

<b>CODE</b>	<b>SIZE</b>	<b>SHAPE</b>	<b>MRP</b>
NXR0611	06cmX 11cm	Rectangular	16,500
NXR0815	08cm x 15cm	Rectangular	25,300
NXR1015	10cm x 15cm	Rectangular	28,050
NXR1115	11cm X 15cm	Rectangular	32,450
NXR1515	15cm X 15cm	Square	33,000
NXR1515L	15.5cm X 15.5cm	Rectangular	36,225
NXR1520	15cm X 20cm	Rectangular	39,600
NXR1520L	15.5cmX 20cm	Rectangular	40,425
NXR3030	30cmX 30cm	Square	81,400
NXC10	10 cm	Circular	26,950
NXC12	12 cm	Circular	28,270
NXC15	15 cm	Circular	33,880
NXC15L	15.5 cm	Circular	36,225

## POLYTETRAFLUOROETHYLENE - POLYPROPYLENE - COMPOSITE MESH

Netptfe is composite mesh with dual surface of polypropylene knitted mesh on parietal side and an expanded polytetrafluoroethylene (PTFE) microporous sheet on the visceral side. The PTFE sheet acts as permanent barrier to adhesions. PTFE is a linear homo chain polymer constructed of a carbon backbone, saturated with fluorine atoms (-Cf2-).



- 01 PERMANENT BARRIER COMPOSITE MESH**
  - Inhibits intestinal adhesion for longer duration.
- 02 PTFE MESH IS INERT IN NATURE**
  - Less foreign body reaction.
  - Less inflammation & infection.
- 03 SOFT BIOMATERIAL MESH**
  - Ease of usage.
  - Patient comfort.
  - Less post-operative discomfort, pain and recurrence rate.
- 04 LOW PROFILE MESH**
  - Ease of handling.
  - Ease of deployment of mesh.

### APPLICATIONS:

**NETPTFE Mesh** is indicated for use in Open and Laparoscopic Intraperitoneal Placement to treat:

- ◆ Ventral/incisional Hernia
- ◆ Umbilical Hernia
- ◆ Spigelian Hernia
- ◆ Inguinal Hernia – Direct/Indirect
- ◆ Epigastric Hernia

### TECHNICAL SPECIFICATION:

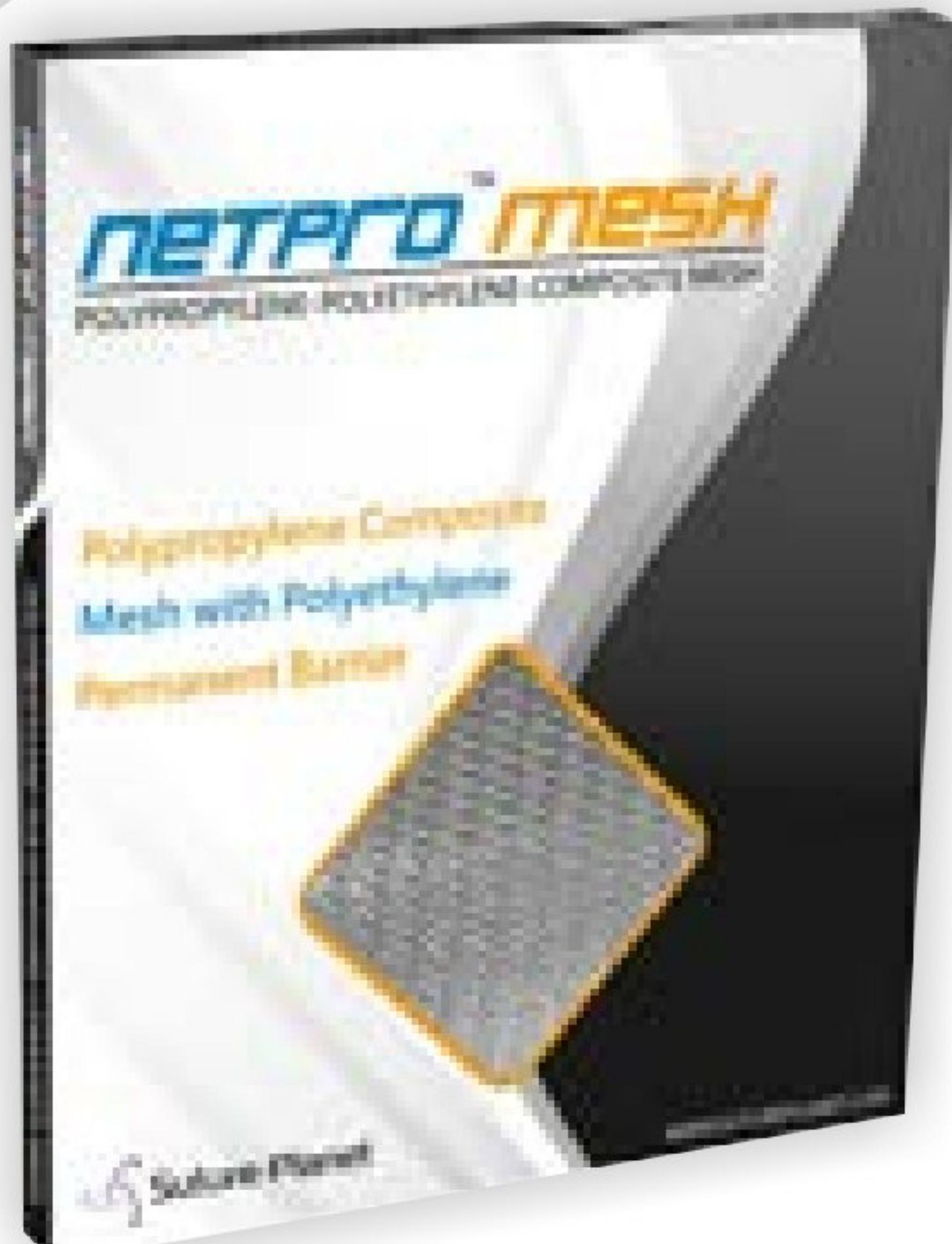
<b>Burst Strength</b>	- > 6 Kg/cm <sup>2</sup>
<b>Thickness (mm)</b>	- ≈ 0.36 mm
<b>Absorption type</b>	- Non Absorbable
<b>Placement marker</b>	- Yes

**POLYTETRAFLUOROETHYLENE - POLYPROPYLENE - COMPOSITE MESH**

CODE	SIZE	SHAPE	MRP
NTR611	06cm x 11cm	Rectangular	14,300
NTR815	08cm x 15cm	Rectangular	22,000
NTR1015	10cm x 15cm	Rectangular	24,200
NTR1515	15cm x 15cm	Square	27,500
NTR1520	15cm x 20cm	Rectangular	31,900
NTR3030	30cm x 30cm	Square	64,900
NTC10	10 cm	Circular	23,650
NTC12	12 cm	Circular	25,410
NTC15	15 cm	Circular	28,270
NTO1015	10cm x 15cms	Oval	25,850

## POLYPROPYLENE - POLYETHYLENE - COMPOSITE MESH

Netpro Mesh is composed of one layer of knitted light weight polypropylene mesh for the parietal side and one layer of medical grade polyethylene film for the visceral side. Polypropylene surface encourages tissue ingrowth while the polyethylene film layer minimises tissue ingrowth and foreign body reactions.



### ROBUST LIGHT WEIGHT MESH ON PARIELAL SIDE

- 01 Time tested polypropylene material as hernia mesh  
High burst strength over > 6 Kg/cm<sup>2</sup>

### MACROPORE DESIGN

- 02 Early fibrosis generation  
Faster neo peritoneum formation

### PERMANENT BARRIER TO ADHESION

- 03 Minimises chances of visceral adhesions for longer period of time

### TRANSPARENT POLYETHYLENE FILM ON VISCERAL SIDE

- 04 Ease in deployment  
Ease in rolling and Laparoscopic placement

## APPLICATIONS:

- ◆ Ventral/Incisional Hernia
- ◆ Para Umbilical Hernia
- ◆ Umbilical Hernia
- ◆ Inguinal Hernia - Direct/Indirect
- ◆ Femoral Hernia

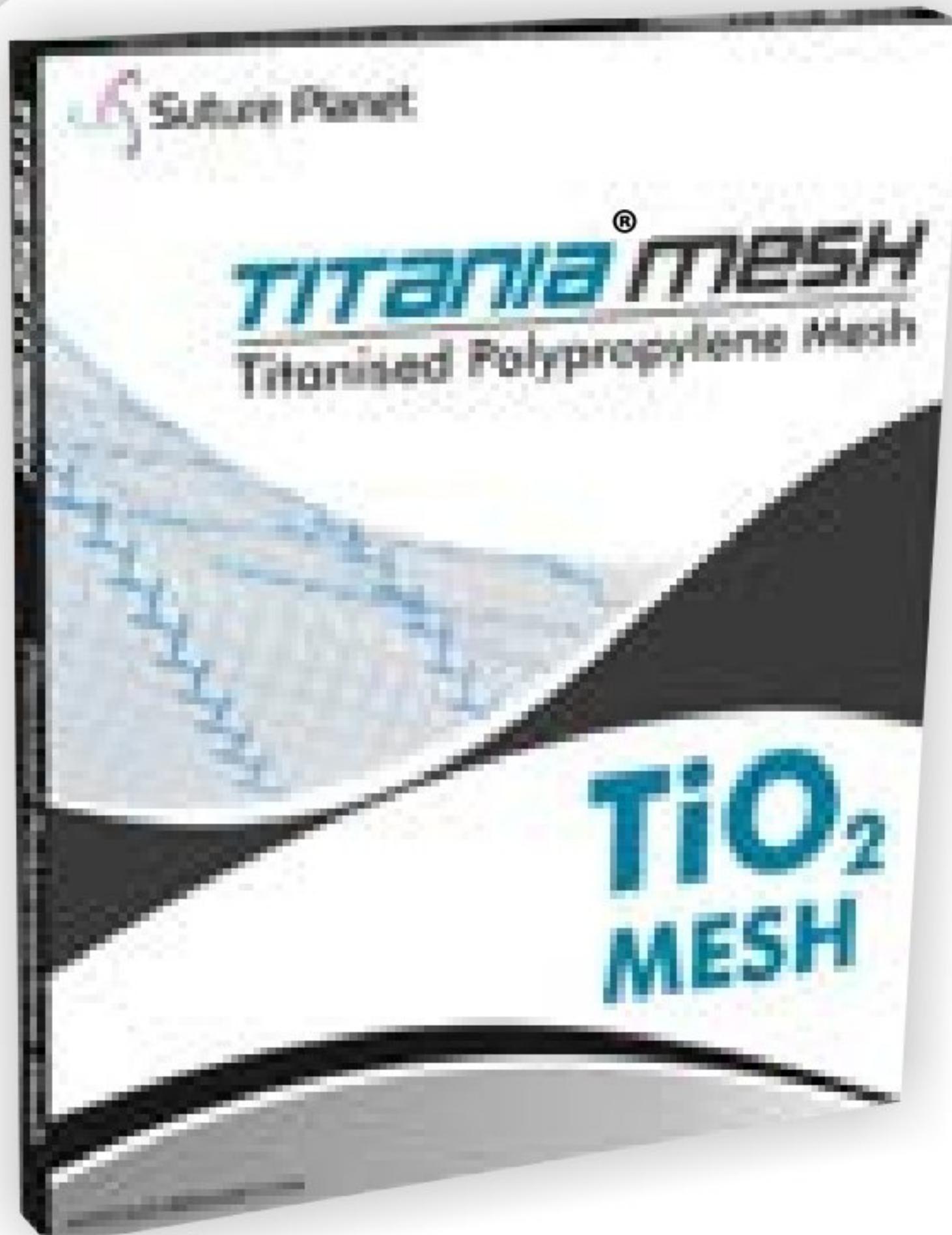
## TECHNICAL SPECIFICATION:

<b>Burst Strength</b>	- > 6 Kg/cm <sup>2</sup>
<b>Thickness (mm)</b>	- ≈ 0.42 mm
<b>Absorption type</b>	- Non Absorbable
<b>Placement marker</b>	- Yes

CODE	SIZE	SHAPE	MRP
NPR611	06cm x 11cm	Rectangular	9,900
NPR815	08cm x 15cm	Rectangular	14,300
NPR1015	10cm x 15cm	Rectangular	16,500
NPR1515	15cm x 15cm	Square	19,800
NPR1520	15cm x 20cm	Rectangular	25,300
NPR3030	30cm x 30cm	Square	60,500
NPC10	10 cm	Circular	15,400
NPC12	12 cm	Circular	18,040
NPC15	15 cm	Circular	20,350
NPC15L	15.5 cms	Circular	24,150

## TITANISED POLYPROPYLENE MESH

Titania Mesh is a light weight, monofilament titanised polypropylene mesh. The mesh is formulated with chemical vaporization of titanium atoms over polymer mesh. Each knitted fiber of the mesh implant is completely covered by a high-purity and adherent titanium dioxide surface coating to enhance the biocompatibility.



### 01 SUPERIOR BIOMATERIALITY

Less shrinkage  
Smooth ingrowth

### 02 MACROPORE MESH

Better visualization of anatomical landmarks  
Ease in mesh fixation with sutures and tacks  
Less chance of shrinkage.

### 03 HYDROPHILIC MESH

Less inflammation  
Reduced foreign body reaction  
Faster neo peritoneum formation

### 04 TITANISED MESH

Inert mesh  
Strong yet soft mesh  
Less chance of adhesion on visceral side  
Less post-operative pain & recurrence rate.

## APPLICATIONS:

- ◆ Ventral / Incisional Hernia
- ◆ Umbilical Hernia
- ◆ Epigastric Hernia
- ◆ Parastomal Hernia
- ◆ Hiatal Hernia
- ◆ Inguinal Hernia- Direct / Indirect
- ◆ Femoral Hernia

## TECHNICAL SPECIFICATION:

	(Medium Pore)	(Large Pore)
<b>Burst Strength</b>	- > 4 Kg/cm <sup>2</sup>	- > 6 Kg/cm <sup>2</sup>
<b>Thickness (mm)</b>	- ≈ 0.50 mm	- ≈ 0.50 mm
<b>Absorption type</b>	- Non Absorbable	- Non Absorbable
<b>Placement marker</b>	- No	- No

» Large Pore «

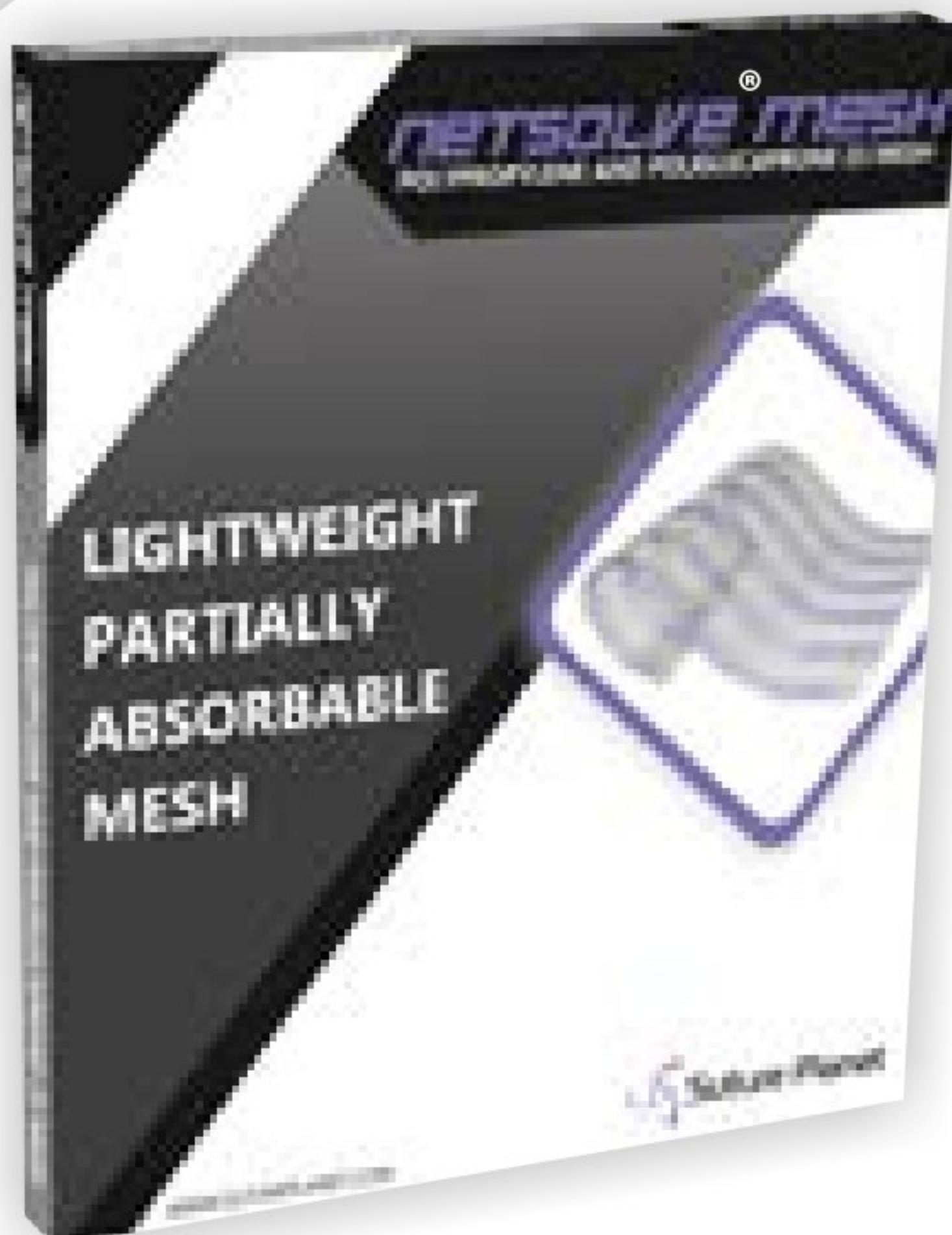
CODE	SIZE	SHAPE	MRP
TTLR611	06cm x 11cm	Rectangular	8,250
TTLR815	08cm x 15cm	Rectangular	11,000
TTLR1015	10cm x 15cm	Rectangular	13,200
TTLR1515	15cm x 15cm	Square	16,500
TTLR1520	15cm x 20cm	Rectangular	19,800
TTLR3030	30cm x 30cm	Square	46,200

» Medium Pore «

CODE	SIZE	SHAPE	MRP
TTMR611	06cm x 11cm	Rectangular	8,250
TTMR815	08cm x 15cm	Rectangular	11,000
TTMR1015	10cm x 15cm	Rectangular	13,200
TTMR15L	15.5cm X 15.5cm	Rectangular	26,250
TTMR1515	15cm X 15cm	Square	16,500
TTMR1520	15cm X 20cm	Rectangular	19,800
TTMR3030	30cmX 30cm	Square	46,200

## POLYPROPYLENE - POLIGLICOCARONE 25 COMPOSITE MESH.

Netsolve Mesh is a partially absorbable knitted composite mesh manufactured from absorbable Polyglycolide – co – caprolactone – 25 (PGCL) polymer and non-absorbable polypropylene monofilament fiber. The absorbable part of mesh is homogeneously absorbed in 90 – 121 days. After absorption of PGCL component, only polypropylene mesh remains and provides sufficient support with maximum patient comfort.



### PARTIALLY ABSORBABLE MESH

- 01 Strong initial wound support. Less foreign material after partial absorption.

### LIGHT WEIGHT MESH

- 02 High biocompatibility. Weight of the mesh after absorption of PGCL is  $<30\text{g/m}^2$ .

### STRETCHABLE

- 03 Less chance of scar plate formation. Patient comfort.

### MACROPOROUS DESIGN

- 04 Tissue penetration and fibrin fixation of the mesh to the tissue is faster. Eliminates dead space and reduces risk of seroma formation.

### APPLICATIONS:

- Ventral/Incisional Hernia
- Para Umbilical Hernia
- Umbilical Hernia
- Inguinal Hernia -Direct/Indirect
- Femoral Hernia

### TECHNICAL SPECIFICATION:

<b>Burst Strength</b>	- $> 3.2 \text{ Kg/cm}^2$ (Initial)	- $> 2.2 \text{ Kg/cm}^2$ (After Absorption)
<b>Thickness (mm)</b>	- $\simeq 0.450-0.550$	- $\simeq 0.450-0.550$
<b>Weight (GSM)</b>	- $\simeq 60-90 \text{ g/m}^2$ (Initial)	- $\simeq 25-30 \text{ g/m}^2$ (After Absorption)
<b>Placement marker</b>	- No	- No

**POLYPROPYLENE - POLIGLECARONE 25 COMPOSITE MESH.**

CODE	SIZE	SHAPE	MRP
NSR0611	06cm x 11cm	Rectangular	5,500
NSR0815	08cm x 15cm	Rectangular	7,700
NSR1015	10cm x 15cm	Rectangular	8,360
NSR1515	15cm x 15cm	Square	9,240
NSR1520	15cm x 20cm	Rectangular	10,450
NSR3030	30cm x 30cm	Square	27,500

## POLYPROPYLENE MESH

Netlene Mesh is the brand name of surgical mesh manufactured by Suture Planet. Netlene Mesh is a polypropylene mesh used in hernia repairs. Our surgical mesh is a non-absorbable and thus provides permanent support for weak tissues.



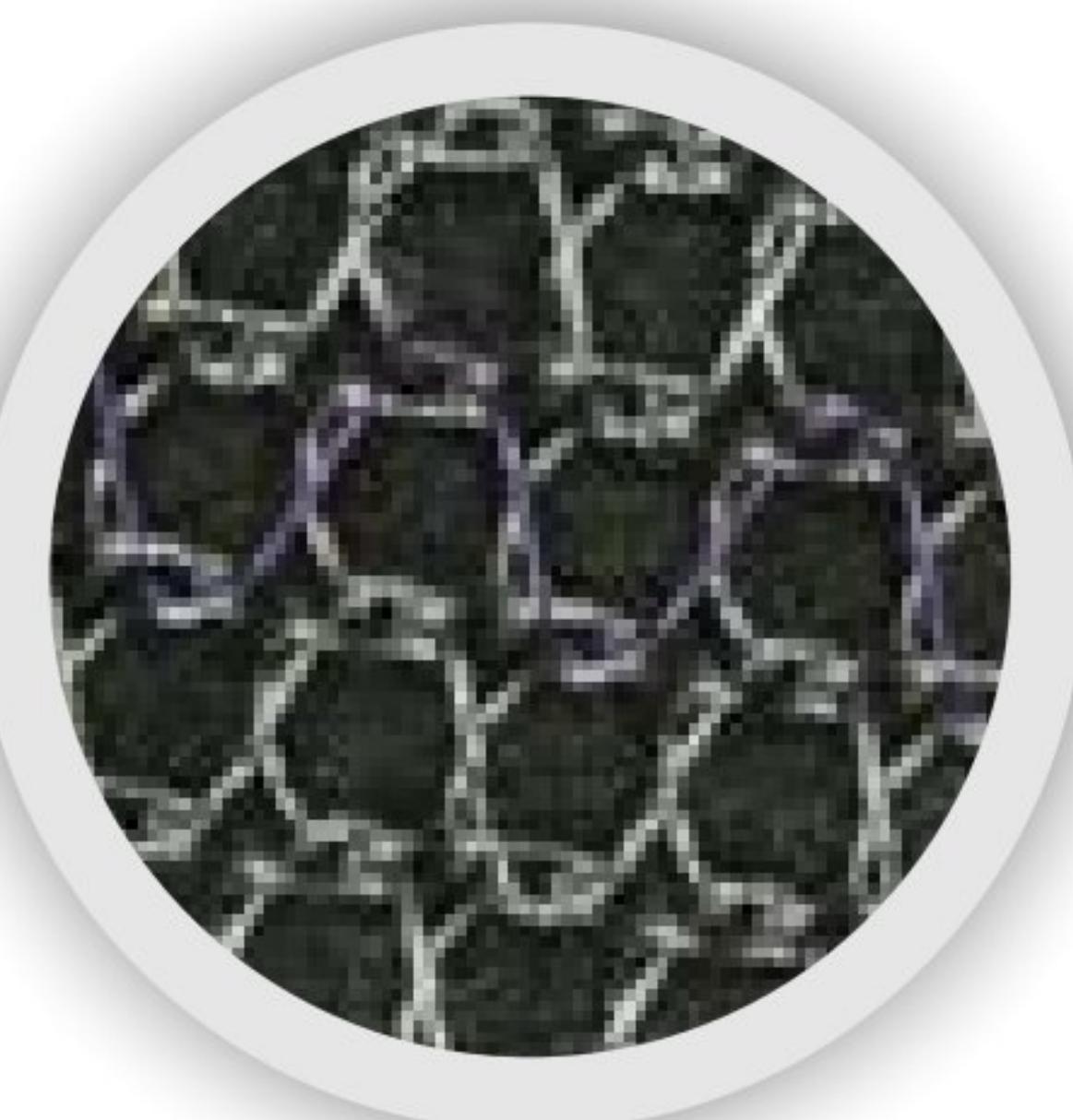
- 01 Netlene Mesh is made from high quality monofilament polypropylene sutures
- 02 Netlene Mesh is available in popular sizes of 06x11cm, 08x15cm, 10x12cm, 10x15cm, 10x20cm, 15x15cm and 30x30cm
- 03 Netlene Mesh is non-absorbable and provides permanent support,
- 04 Netlene Mesh is also available in a variety of pre-cut shapes or designs

## Key Features

1. Netlene Mesh is laser-cut to precision and all edges are sealed to avoid post-surgical inconvenience
2. Netlene Mesh is thermally annealed to prevent fabric curling and increase softness
3. Netlene Mesh is ultrasonically cleaned and packed in internationally acceptable standard medical grade paper
4. Netlene Mesh is smooth, soft, strong, flexible and designed to minimize patient discomfort
5. Netlene Mesh has ideal porosity for high visibility & colonization

**SOFT MESH****PARAMETERS**

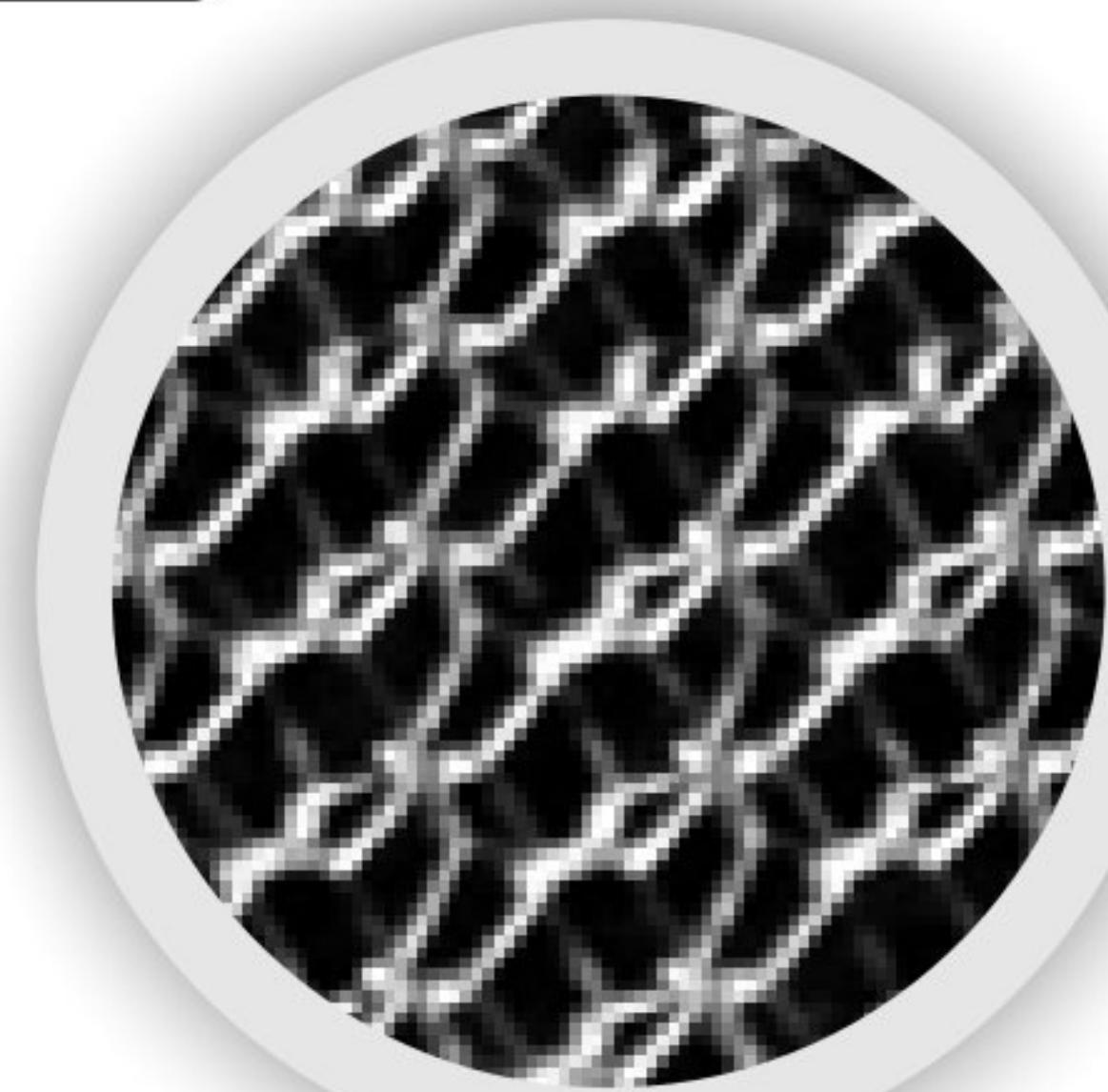
Thickness (mm)	0.450-0.550
Mesh Pore size (mm)	0.8 -1.3
Approx Bursting strength range (kg/cm <sup>2</sup> )	3.50
GSM	40-50

**MACROPORE MESH****PARAMETERS**

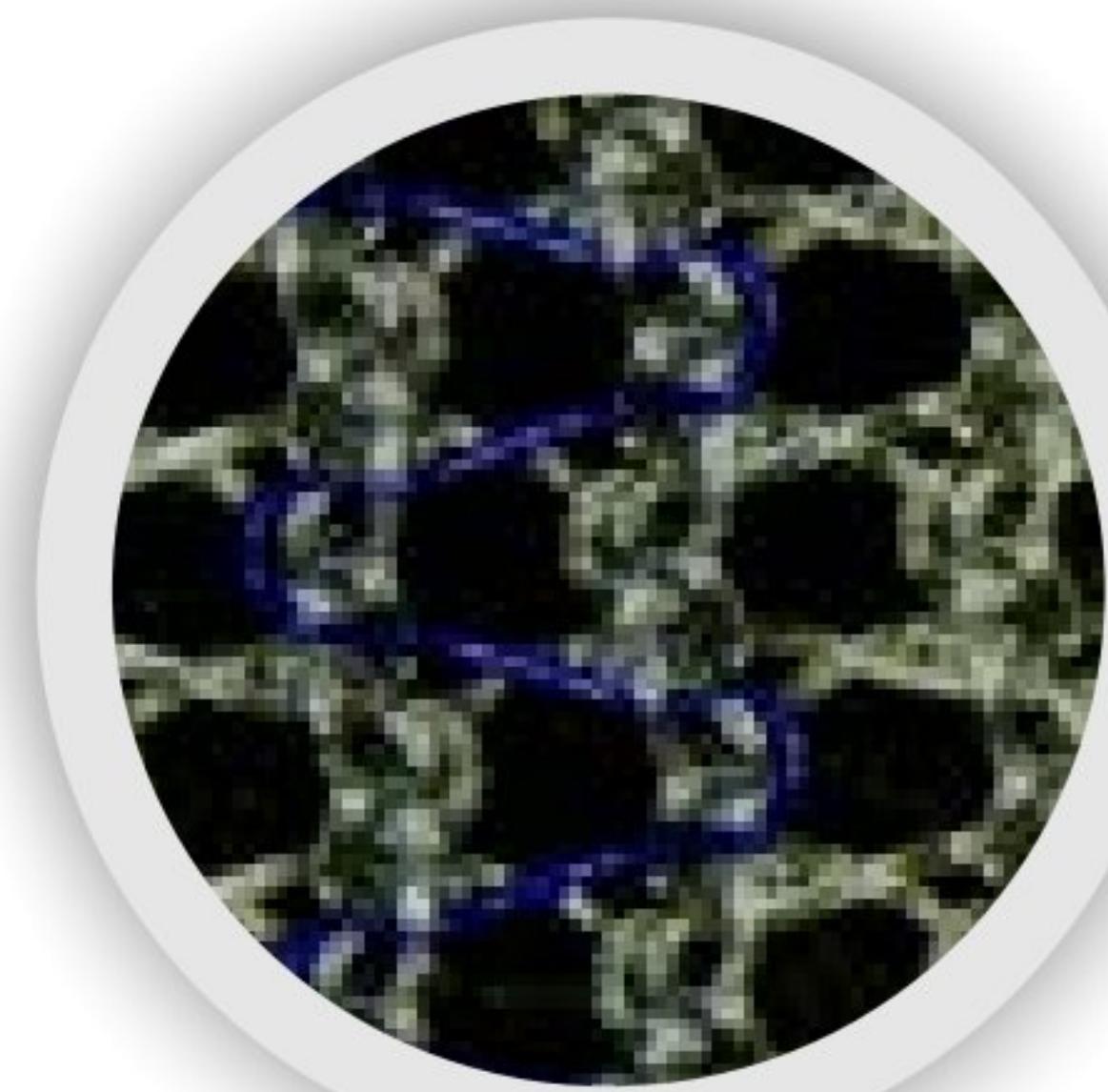
Thickness (mm)	0.450-0.500
Mesh Pore size (mm)	2.2-3.2
Approx Bursting strength range (kg/cm <sup>2</sup> )	2.80
GSM	45-55

**ULTRASOFT MESH****PARAMETERS**

Thickness (mm)	0.450-0.500
Mesh Pore size (mm)	1-1.8
Approx Bursting strength range (kg/cm <sup>2</sup> )	3.00
GSM	35-55

**ROBUST MESH****PARAMETERS**

Thickness (mm)	0.700-0.850
Mesh Pore size (mm)	0.80-1.50
Approx Bursting strength range (kg/cm <sup>2</sup> )	5.5
GSM	90-110



**POLYPROPYLENE MESH**

<b>CODE</b>	<b>MESH TYPE</b>	<b>SIZE</b>	<b>PACK</b>	<b>MRP / BOX</b>	<b>MRP / UNIT</b>
SPM0611	Soft	6cmx11cm	1s Pack	1,452	1,452
SPM0611	Soft	6cmx11cm	3s Pack	4,356	1,452
SPM0611	Soft	6cmx11cm	6s Pack	8,712	1,452
SPM0611	Soft	6cmx11cm	10s Pack	14,520	1,452
SPM0815	Soft	8cmx15cm	1s Pack	1,512	1,512
SPM0815	Soft	8cmx15cm	3s Pack	4,536	1,512
SPM0815	Soft	8cmx15cm	6s Pack	9,072	1,512
SPM0815	Soft	8cmx15cm	10s Pack	15,120	1,512
SPM1015	Soft	10cmx15cm	1s Pack	1,905	1,905
SPM1015	Soft	10cmx15cm	3s Pack	5,715	1,905
SPM1015	Soft	10cmx15cm	10s Pack	19,050	1,905
SPM1020	Soft	10cmx20cm	1s Pack	4,235	4,235
SPM1212	Soft	12cmx12cm	3s Pack	7,590	2,530
SPM1217	Soft	12cmx17cm	10s Pack	33,000	3,300
SPM1515	Soft	15cmx15cm	1s Pack	3,448	3,448
SPM1515	Soft	15cmx15cm	3s Pack	10,344	3,448
SPM1520	Soft	15cmx20cm	1s Pack	4,565	4,565
SPM1520	Soft	15cmx20cm	3s Pack	13,695	4,565
SPM3030	Soft	30cmx30cm	1s Pack	10,829	10,829
SPM8	Soft Circular	8cm	1s Pack	2,112	2,112
SPM10	Soft Circular	10cm	1s Pack	2,650	2,650
SPM12	Soft Circular	12cm	1s Pack	3,080	3,080
SPM15	Soft Circular	15cm	1s Pack	3,948	3,948
SPM-M0611	Macropore	6cmx11cm	1s Pack	1,892	1,892
SPM-M0611	Macropore	6cmx11cm	6s Pack	11,352	1,892
SPM-M0815	Macropore	8cmx15cm	1s Pack	2,123	2,123
SPM-M0815	Macropore	8cmx15cm	6s Pack	12,738	2,123
SPM-M1015	Macropore	10cmx15cm	1s Pack	2,200	2,200
SPM-M1215	Macropore	12cmx15cm	1s Pack	2,577	2,577
SPM-M1515	Macropore	15cmx15cm	1s Pack	3,960	3,960
SPM-M3030	Macropore	30cmx30cm	1s Pack	16,040	16,040

**POLYPROPYLENE MESH**

CODE	MESH TYPE	SIZE	PACK	MRP / BOX	MRP / UNIT
SPM-M8	Macropore Circular	8cm	1s Pack	2,746	2,746
SPM-M10	Macropore Circular	10cm	1s Pack	3,445	3,445
SPM-M12	Macropore Circular	12cm	1s Pack	4,004	3,080
SPM-M15	Macropore Circular	15cm	1s Pack	5,132	3,948
SPM-S0611	Ultrasoft	6cmx11cm	1s Pack	1,859	1,859
SPM-S0611	Ultrasoft	6cmx11cm	6s Pack	11,154	1,859
SPM-S0815	Ultrasoft	8cmx15cm	1s Pack	1,981	1,981
SPM-S0815	Ultrasoft	8cmx15cm	6s Pack	11,886	1,981
SPM-S1015	Ultrasoft	10cmx15cm	1s Pack	2,503	2,503
SPM-S1215	Ultrasoft	12cmx15cm	1s Pack	2,834	2,834
SPM-S1515	Ultrasoft	15cmx15cm	1s Pack	3,740	3,740
SPM-S3030	Ultrasoft	30cmx30cm	1s Pack	12,961	12,961
SPM-S8	Ultra Soft Circular	8cm	1s Pack	2,746	2,746
SPM-S10	Ultra Soft Circular	10cm	1s Pack	3,445	3,445
SPM-S12	Ultra Soft Circular	12cm	1s Pack	4,004	3,080
SPM-S15	Ultra Soft Circular	15cm	1s Pack	5,132	3,948
SPMR0611	Robust	6cmx11cm	1s Pack	1,452	1,452
SPMR0611	Robust	6cmx11cm	3s Pack	4,356	1,452
SPMR0611	Robust	6cmx11cm	10s Pack	14,520	1,452
SPMR0815	Robust	8cmx15cm	1s Pack	1,512	1,512
SPMR0815	Robust	8cmx15cm	3s Pack	4,536	1,512
SPMR0815	Robust	8cmx15cm	10s Pack	15,120	1,512
SPMR1015	Robust	10cmx15cm	3s Pack	5,715	1,905
SPMR1015	Robust	10cmx15cm	10s Pack	19,050	1,905
SPMR1020	Robust	10cmx20cm	10s Pack	42,350	4,235
SPMR1212	Robust	12cmx12cm	3s Pack	7,590	2,530
SPMR1515	Robust	15cmx15cm	3s Pack	10,344	3,448
SPMR3030	Robust	30cmx30cm	1s Pack	10,829	10,829
SAWR5050	Robust	50cmx50cm	1s Pack	18,000	18,000
SPMR8	Robust Circular	8cm	1s Pack	2,112	2,112
SPMR10	Robust Circular	10cm	1s Pack	2,650	2,650
SPMR12	Robust Circular	12cm	1s Pack	3,080	3,080
SPMR15	Robust Circular	15cm	1s Pack	3,948	3,948