Hi-tex® POLYPROPYLENE

PARP PH
Ultra light artificial mesh for wall reinforcement (28 g/m²)

PARP PH2
Light artificial mesh for wall reinforcement (45 g/m²)

PARP PX
Standard artificial mesh for wall reinforcement (80 g/m²)
HI-TEX® POLYPROPYLENE

INDICATIONS
- Abdominal wall reinforcement
- Treatment of eventrations, inguinal, crural hernias
- Use in either coelioscopy or laparotomy

BIBLIOGRAPHY

NEW
PARP Ph2: Light mesh (45 g/m²), big pore size (1.5 x 1.5 cm) for a better integration.

ADVANTAGES
- Light porous structure to favour quick tissue ingrowth and colonization
- Semi-rigid for optimal abdominal fit
- Good shape memory for perfect use in coelioscopy or open surgery
- Elasticity and excellent multidirectional mechanical properties close to human tissue

PARP PH Ultra light
DESCRIPTION
- Knitted structure
- Polypropylene monofilament (PP)

INDICATIONS
- Abdominal wall reinforcement
- Treatment of eventrations, inguinal, crural hernias
- Use in either coelioscopy or laparotomy

PARP PH Weight : 28 g/m² - Pores size : 0.7 x 0.7 mm
Thickness : 0.3 mm - Elongation : 40% - Resistance : 12 daN

PARP PH2 Light
DESCRIPTION
- Knitted structure
- Polypropylene monofilament (PP)

INDICATIONS
- Abdominal wall reinforcement
- Treatment of eventrations, inguinal, crural hernias
- Use in either coelioscopy or laparotomy

PARP PH2 Weight : 45 g/m² - Pores size : 1.5 x 1.5 mm
Thickness : 0.4 mm - Elongation : 51% - Resistance : 24 daN

PARP PX Standard
DESCRIPTION
- Knitted structure
- Polypropylene monofilament (PP)

INDICATIONS
- Abdominal wall reinforcement
- Treatment of eventrations, inguinal, crural hernias
- Use in either coelioscopy or laparotomy

PARP PX Weight : 80 g/m² - Pores size : 0.5 x 0.7 mm
Thickness : 0.5 mm - Elongation : 89% - Resistance : 25 daN
Hi-tex® Composite

ENDO IP
Dual-side mesh for intraperitoneal placement - 0.5 mm thick

PARP MP
Dual-side mesh for intraperitoneal placement - 1 mm thick

PARP MP3
Dual-side mesh for intraperitoneal placement - 1.5 mm thick
Hi-tex® COMPOSITE

RABBIT
Experimental study with 18 rabbits. A wound was created in each rabbit in aponeurose, muscle and peritoneal abdominal wall. An Hi-Tex® dual-side mesh was then implanted in intraperitoneal situation and removed at 4, 9 and 13 months for electronic microscopy examination and histological analysis:
- No local sepsis observed (seroma, infection…)
- All meshes were found intact and well integrated
- No adhesion observed on 15 rabbits: 82% of cases
- After 13 months implantation, PEU sides are completely colonized. Their structure consists of thick fibrous cords, reminiscent of fibroblast cells.
- The mesh center is often colonized by a connective tissue, highly vascularized
- Nothing wrong against PEU biocompatibility & stability.

PIG
Experimental study to evaluate the biocompatibility and tissular ingrowth of Hi-Tex® wall reinforcement dual-side meshes, following implantation with pig.
Each one of the 5 animals received 3 perforated meshes coated with polyurethane for 8, 18, 24 or 32-week periods:
- No signs of degradation of the PEU coating observed
- Good tissular ingrowth
- Low inflammatory response.

HUMAN
Electronic microscopy examination and histological analysis of an Hi-Tex® dual-side mesh after 4 months human implantation.
- Electronic microscopy picture - PEU side.
The polyurethane side is covered with a film of macrophagic peritoneal cells.
- Histological view - PEU side (10x1.25).
The fibrous tissue is well organized, orientated and shows vascular islands surrounded by lymphocitic elements.
- Electronic microscopy picture - PET side.
Complete colonization of the PET side by fibrous tissue in a collagen and cellular network.
- Histological view - PET side (10x1.25).
Organized fibrous network visible throughout the mesh.
**INDICATIONS**
- Designed for intraperitoneal placement
- Treatment of eventration and umbilical hernias
- Specially adapted to coelioscopy

**FEATURES**
- 0.5 mm-thick composite structure
- Multifilaments of polyester (polyethylene terephthalate) PET, coated on one side with a thin membrane of aliphatic polyurethane, poly(ether urethane) PEU
- Pre-cut and entirely macro-perforated prosthesis

**ADVANTAGES**
- 1st dual-side mesh on the market for intraperitoneal placement
- Over 12 years human clinical experience
- A macro-perforated structure featuring 2 distinct sides:
  - A permeable peritoneal side in polyester for good fibroblast colonisation and rapid tissue fixation (white side)
  - A non-absorbable and non-adherent smooth side in polyurethane allowing fluid transfer and contact with viscera (blue side)

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**PARP MP** (160 g/m²)
Dual-side mesh for intraperitoneal placement

**INDICATIONS**
- Designed for intraperitoneal placement
- Treatment of eventration and umbilical hernias
- Adapted to celioscopy or laparotomy

**FEATURES**
- 1 mm-thick composite structure
- Multifilaments of polyester (polyethylene terephthalate) PET, coated on one side with a thin membrane of aliphatic polyurethane, poly(ether urethane) PEU
- Pre-cut and entirely macro-perforated prosthesis

**PARP MP3** (210 g/m²)
Dual-side mesh for intraperitoneal placement

**INDICATIONS**
- Designed for intraperitoneal placement
- Treatment of eventration and umbilical hernias
- Specially adapted to laparotomy

**FEATURES**
- 1.5 mm-thick 3D “honeycomb” structure
- Multifilaments of polyester (polyethylene terephthalate) PET, coated on one side with a thin membrane of aliphatic polyurethane, poly(ether urethane) PEU
- Pre-cut and entirely macro-perforated prosthesis
- Excellent multidirectional elasticity

**ADVANTAGES**
- No viral contamination risk (100% artificial materials)
- Visual mark printed on textile side to easy mesh centering
- Fitted with pull threads at each edge for easy mesh positioning, and centering with Easy-catch® instrument (available separately)
- Excellent multidirectional mechanical properties and resistance to tearing
- Ready for use prosthesis, with no preparation before implantation (minimum septic risks)
- A complete range offering size and thickness variety to answer all surgical needs


