Hi-tex® POLYPROPYLENE

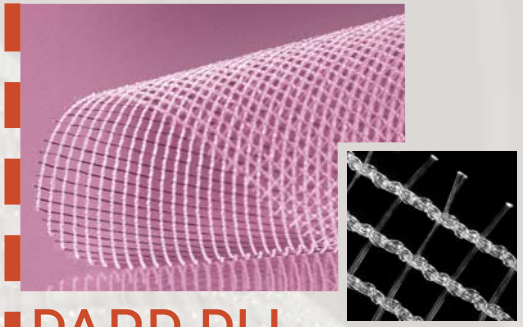
PARP PH
Ultra light artificial mesh for wall reinforcement (28 g/m²)

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

NEW
PARP PH2: Light mesh (45 g/m²), big pore size (1,5 x 1,5 cm) for a better integration.



PARP PH Ultra light

DESCRIPTION
- Knitted structure
- Polypropylene monofilament (PP)

PARP PH Weight : 28 g/m² - Pores size : 0,7 x 0,7 mm

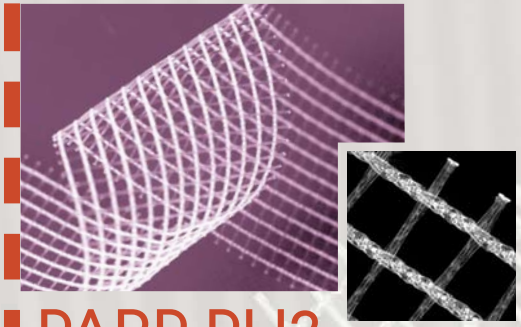
Thickness : 0,3 mm - Elongation : 40% - Resistance : 12 daN

mean values given as an indication

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

	REF.	SIZE in cm
	PARP 06-11 PH	06 - 11
	PARP 10-15 PH	10 - 15
	PARP 15-15 PH	15 - 15
	PARP 20-30 PH	20 - 30
	PARP 30-30 PH	30 - 30

non exhaustive references list



PARP PH2 Light

DESCRIPTION
- Knitted structure
- Polypropylene monofilament (PP)

PARP PH2 Weight : 45 g/m² - Pores size : 1,5 x 1,5 mm

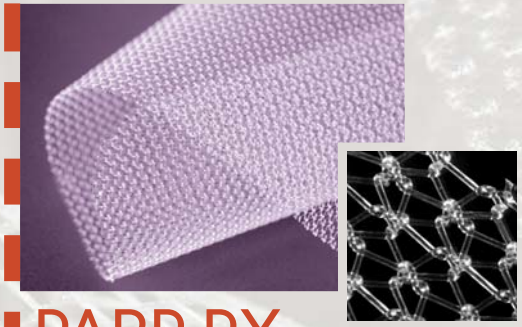
Thickness : 0,4 mm - Elongation : 51 % - Resistance : 24 daN

mean values given as an indication

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

	REF.	SIZE in cm
	PARP 06-11 PH2	06 - 11
	PARP 10-15 PH2	10 - 15
	PARP 15-15 PH2	15 - 15
	PARP 20-30 PH2	20 - 30
	PARP 30-30 PH2	30 - 30

non exhaustive references list



PARP PX Standard

DESCRIPTION
- Knitted structure
- Polypropylene monofilament (PP)

PARP PX Weight : 80 g/m² - Pores size : 0,5 x 0,7 mm

Thickness : 0,5 mm - Elongation : 89% - Resistance : 25 daN

mean values given as an indication

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

	REF.	SIZE in cm
	PARP 5.5-9.5 PX	5.5 - 9.5
	PARP 06-11 PX	06 - 11
	PARP 10-15 PX	10 - 15
	PARP 15-15 PX	15 - 15
	PARP 20-30 PPX	20 - 30
	PARP 30-30 PX	30 - 30

non exhaustive references list

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

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HTPP V4 - 10/09

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CE 0120

Hi-tex® COMPOSITE

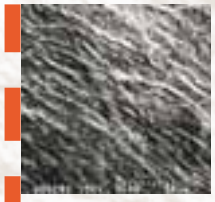
ENDO IP
Dual-side mesh for intraperitoneal placement - 0.5 mm thick

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

PARP MP3
Dual-side mesh for intraperitoneal placement - 1.5 mm thick

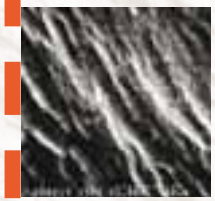
Hi-tex® COMPOSITE

RABBIT



Electronic microscopy pictures at 13 months.

The PET mesh features a well-orientated continuous fibrocellular coating.



The PEU structure consists of thick fibrous cords, reminiscent of fibroblast cells.

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 (serome, 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 non inflammatory fibroblast cells
- The mesh center is often colonized by a connective tissue, highly vascularized
- Nothing wrong against PEU biocompatibility & stability.

PIG

Picture of the prosthesis at 18 weeks.

Tissular ingrowth & neovascularization.

Histological view at 24 weeks (x4).

Low inflammatory reaction.

Histological view at 32 weeks (x4).

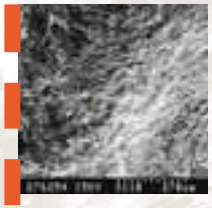
Tissular ingrowth and low inflammatory reaction (perforation area).

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 :

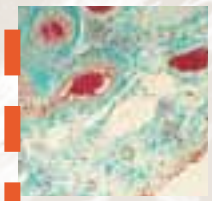
- No signs of degradation of the PEU coating observed
- Good tissular ingrowth
- Low inflammatory response.

HUMAN

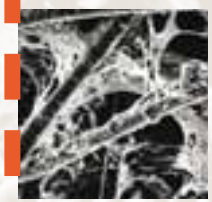


Electronic microscopy picture - PEU side.

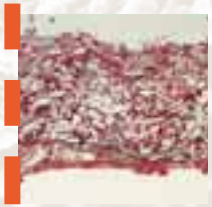
The polyurethane side is covered with a film of macrophagic peritoneal cells.



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.

Electronic microscopy examination and histological analysis of an Hi-Tex® dual-side mesh after 4 months human implantation.

ENDO IP (120 g/m²)

Dual-side mesh for intraperitoneal placement

INDICATIONS

- Designed for intraperitoneal placement
- Treatment of eventration and umbilical hernias
- Specially adapted to cœlioscopy

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

PARP MP (160 g/m²)

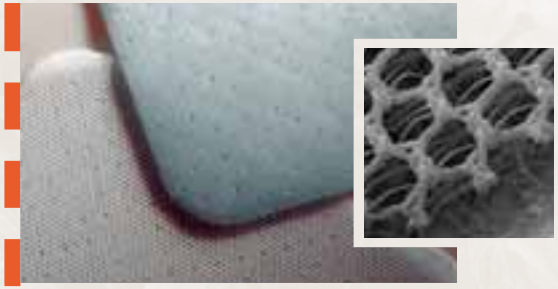
Dual-side mesh for intraperitoneal placement

INDICATIONS

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

FEATURES

- 1mm-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 multidirectionnal elasticity

ADVANTAGES

- 1st dual-side mesh on the market for intraperitoneal placement
- Over 12 years human clinical experience
- A macroperforated 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)
- 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 prothesis, with no preparation before implantation (minimum septic risks)
- A complete range offering size and thickness variety to answer all surgical needs

Hi-tex® COMPOSITE

ENDO IP

	REF.	SIZE in cm
	ENDO 1200 IP	Ø 12
	ENDO 1600 IP	Ø 16
	ENDO 10-15 IP	10 x 15
	ENDO 15-20 IP	15 x 20
	ENDO 20-30 IP	20 x 30
	ENDO 30-30 IP	30 x 30

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PARP MP

	REF.	SIZE in cm
	PARP 1200 MP	Ø 12
	PARP 1600 MP	Ø 16
	PARP 10-15 MP	10 x 15
	PARP 15-20 MP	15 x 20
	PARP 20-30 MP	20 x 30
	PARP 30-30 MP	30 x 30

non exhaustive references list/*liste des références non exhaustive*

PARP MP3

	REF.	SIZE in cm
	PARP 1200 MP3	Ø 12
	PARP 1600 MP3	Ø 16
	PARP 10-15 MP3	10 x 15
	PARP 15-20 MP3	15 x 20
	PARP 20-30 MP3	20 x 30
	PARP 30-30 MP3	30 x 30

non exhaustive references list/*liste des références non exhaustive*

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EASY-CATCH®

	REF.	Size in mm
	ECE 208	Ø 1 x 201

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