

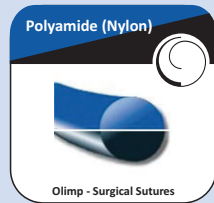


**Surgical sutures and polypropylene meshes for hernia repair**



*High Quality Surgical Sutures & Surgical Meshes*

## Non-absorbable suture



**Type, color:** Monofilament, blue or black  
**Composition:** Polyamide (nylon, capron)  
**Application area:** General surgery, cardiovascular surgery, neurosurgery, ophthalmology, abdominal surgery, cosmetic and plastic surgery  
**Analogues:** Ethilon, Dermalon, Monosof



**Type, color:** Braided multifilament with or without coating, black  
**Composition:** Natural silk with coating - silicone or wax.  
**Application area:** General surgery, ophthalmology, gynecology, cardiovascular surgery, neurosurgery  
**Analogues:** Sofsilk



**Type, color:** Monofilament, blue or black  
**Composition:** Polypropylene  
**Application area:** General surgery, cardiovascular surgery, neurosurgery, ophthalmology, abdominal surgery, cosmetic and plastic surgery  
**Analogues:** Prolene, Surgipro, Mopylene



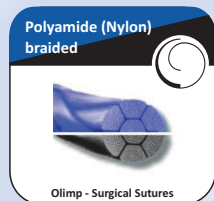
**Type, color:** Monofilament, white  
**Composition:** Polytetrafluorethylen (Teflon)  
**Application area:** General surgery, cardiovascular surgery, dentistry  
**Analogues:** Gore-Tex



**Type, color:** Braided multifilament with or without coating, green or white  
**Composition:** Polyester - polyethylene terephthalate polymer with coating - silicone, wax or PTFE (Teflon)  
**Application area:** General surgery, cardiovascular surgery, neurosurgery, cosmetic and plastic surgery  
**Analogues:** Ethibond Exel, Ti-cron, Surgidac



**Type, color:** Monofilament, blue  
**Composition:** Polyvinylidene fluoride (PVDF)  
**Application area:** General surgery, ophthalmology, cardiovascular surgery, neurosurgery  
**Analogues:** Resopren



**Type, color:** Braided or twisted multifilament, blue or black  
**Composition:** Polyamide (nylon, capron)  
**Application area:** General surgery, cardiovascular surgery, abdominal surgery, cosmetic and plastic surgery  
**Analogues:** Nulon, Surgilon, Supramid Extra



**Type, color:** Monofilament, steel  
**Composition:** Stainless steel or titan  
**Application area:** Cardiac surgery, orthopedic surgery  
**Analogues:** Stainless Steel

## Absorbable suture



**Type, color:** Coated and braided multifilament, purple  
**Retention strength:** 50% after 21 days  
**Absorption:** 60-90 days  
**Application area:** General surgery, ophthalmology, gynecology, gastroenterology. Do not apply in cardiovascular and neurosurgery!  
**Analogues:** Vicryl, Dexon II, PGA Resorba, Trisorb, Mepfil



**Type, color:** Coated and braided multifilament, beige - unpainted  
**Retention strength:** 50% after 7 days  
**Absorption:** 42 days  
**Application area:** Pediatric surgery, maxillofacial surgery  
**Analogues:** Vicryl Rapid, PGA Resoquick, Surgicryl Rapid, Trisorb Rapid, Mepfil-Quick



**Type, color:** Monofilament, purple  
**Retention strength:** 50% between 28 and 42 days  
**Absorption:** 180-210 days  
**Application area:** General surgery, pediatric cardiovascular surgery, microsurgery, ophthalmic surgery  
**Analogues:** PDS, Maxon, Caprolon, Monosorb



**Type, color:** Monofilament, beige - unpainted  
**Retention strength:** 60% after 7 days  
**Absorption:** 90-120 days  
**Application area:** General surgery, abdominal surgery, obstetrics, gynecology, urology, plastic surgery  
**Analogues:** Monocryl, Caprosyn, Glycolon, Monofast



**Type, color:** Coated and braided multifilament, purple  
**Retention strength:** 65% after 14 days  
**Absorption:** 56-70 days  
**Application area:** General surgery, ophthalmology, gynecology, gastroenterology. Do not apply in cardiovascular and neurosurgery!  
**Analogues:** Vicryl, Polysorb, Surgicryl 910, Neosorb, Mepfil-LAC



**Type, color:** Monofilament, yellow (ivory)  
**Retention strength:** 50% after 7 days  
**Absorption:** 63 days  
**Application area:** General surgery, obstetrics, gynecology, oncurology  
**Analogues:** Catgut, Resocat



**Type, color:** Coated and braided multifilament, purple. Antibacterial impregnation.  
**Retention strength:** 65% after 14 days  
**Absorption:** 56-70 days  
**Application area:** Soft tissue ligation  
**Analogues:** Vicryl Plus, Neosorb Plus



**Type, color:** Monofilament, dark brown  
**Retention strength:** 50% after 14 days  
**Absorption:** 70 days  
**Application area:** General surgery, obstetrics, gynecology, oncurology  
**Analogues:** Catgut, Resocat

# Surgical needles OLIMP

Suture materials are completed with needles of various forms of sharpening of the point, curvature and length, which are mainly made in our production of steel AISI 302. The needles are made from 4 mm to 80 mm in length, from 0.14 mm to 1.60 mm in diameter. Due to the own production, we are ready to develop and manufacture atraumatic needles in the shortest possible time on an individual request, taking into account your wishes. To expand the range of manufactured suture material, we also use needles of the world's leading manufacturers from Japan, Germany, Belgium and France.

	<p><b>TAPER POINT</b></p> <p>The needle point tapers to a sharp tip. The needle body than flattens to an oval shape</p>		<p><b>CURVED CUTTING</b></p> <p>Triangle-shaped body with third cutting edge on the inside</p>
	<p><b>BLUNT TAPER POINT</b></p> <p>Cylindrical-shape body with a rounded point</p>		<p><b>REVERSE CUTTING</b></p> <p>Triangle-shaped body with third cutting edge on the outside</p>
	<p><b>MICRO-POINT SPATULA</b></p> <p>Flat in point, sharp cutting edges in the horizontal plane of the point</p>		<p><b>TAPERCUT</b></p> <p>A shortened point with smooth transition to the round body shape</p>
	<p><b>SOFT CUTTING POINT (CORONARY)</b></p> <p>A round point that turns into a round and then into a rectangular shape of the main body of the needle for better penetration in cardiovascular surgery</p>		<p><b>TAPERCUT - T2</b></p> <p>Tapercut - T2 with a variable angle of cutting edges, to reduce puncture force. The needle remains round bodied thus eliminating the additional tissue trauma.</p>

1/4 Circle	3/8 Circle	1/2 Circle	5/8 Circle	Compound curved 1/2 + 3/8
J - curved	1/2 Curved		Straight	

## TAPERCUT T2

**SILICONE**  
Needle body has a double silicone coating

Round needle body to eliminate the additional tissue trauma




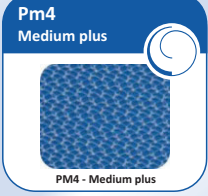

Point with variable angle of cutting edges to reduce puncture force

Curvature of the needle body along the circumference, including the point (without straight sections)

The grinding angles are calculated as follows: when penetrating the tissue the direction of movement of the cutting edges is as close as possible to the trajectory of the rotational movement of needleholder with the needle. This makes it possible to use the force applied to the needleholder more effectively and so to reduce puncture force.

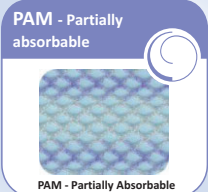
## Polypropylene meshes for hernia repair (non-absorbable)

Size: 6x11 cm, 10x12 cm, 7.5x15 cm, 10x15 cm, 15x15 cm, 30x30 cm

Weaving form	Type	Name	Thread diameter (mm)	Composition	Density (g/m <sup>2</sup> )
	PM1	Light	0,10	Polypropylene monofilament	29
	PM2	Light plus	0,10	Polypropylene monofilament	40
	PM3	Medium	0,10	Polypropylene monofilament	60
	PM4	Medium plus	0,15	Polypropylene monofilament	57
	PM5	Hard	0,15	Polypropylene monofilament	97

## Polypropylene meshes for hernia repair (partial-absorbable)

Size: 6x11 cm, 10x15 cm

Weaving form	Type	Name	Thread diameter (mm)	Composition	Density (g/m <sup>2</sup> )
	PAM	Partially absorbable	0,10	Polypropylene monofilament and poliglecaprone 25	55/29* *after partially absorption

Absorption of poliglecaprone thread: 90 - 110 days

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