

**PTFE** SURGICAL SUTURE  
BLACK and WHITE

| NEEDLE<br>BLACK  | needle<br>length | needle<br>cross-<br>section | suture<br>length | USP         |             |             |
|------------------|------------------|-----------------------------|------------------|-------------|-------------|-------------|
|                  |                  |                             |                  | 3/0         | 4/0         | 5/0         |
| DS<br>1/2 circle | 13               | ⊗                           | 55cm             | -           | -           | C5DS135512B |
|                  | 16               | ⊗                           | 55cm             | C3DS165512B | C4DS165512B | C5DS165512B |
|                  | 19               | ⊗                           | 55cm             | C3DS195512B | C4DS195512B | C5DS195512B |
|                  | 22               | ⊗                           | 55cm             | C3DS225512B | C4DS225512B | -           |

**PTFE** SURGICAL SUTURE  
SILVER and WHITE

| NEEDLE<br>SILVER | needle<br>length | needle<br>cross-<br>section | suture<br>length | USP         |             |             |
|------------------|------------------|-----------------------------|------------------|-------------|-------------|-------------|
|                  |                  |                             |                  | 3/0         | 4/0         | 5/0         |
| DS<br>1/2 circle | 13               | ⊗                           | 55cm             | -           | -           | C5DS135512S |
|                  | 16               | ⊗                           | 55cm             | C3DS165512S | C4DS165512S | C5DS165512S |
|                  | 19               | ⊗                           | 55cm             | C3DS195512S | C4DS195512S | C5DS195512S |
|                  | 22               | ⊗                           | 55cm             | C3DS225512S | C4DS225512S | -           |
| NEEDLE<br>SILVER | needle<br>length | needle<br>cross-<br>section | suture<br>length | USP         |             |             |
|                  |                  |                             |                  | 3/0         | 4/0         | 5/0         |
| DM<br>3/8 circle | 13               | ⊗                           | 55cm             | -           | -           | C5DM135512S |
|                  | 16               | ⊗                           | 55cm             | C3DM165512S | C4DM165512S | C5DM165512S |
|                  | 19               | ⊗                           | 55cm             | C3DM195512S | C4DM195512S | C5DM195512S |
|                  | 22               | ⊗                           | 55cm             | C3DM225512S | C4DM225512S | -           |

**DS:** round needle with cutting blade - the needle is designed for surgical procedures where only minimal tissue traumatization is desired, but excellent penetration, better than with round needles, is still required. Provides a smooth transition between the hard tissues.

**DM:** needle with reverse cutting blade - it has a specially designed tip - the third section of the length of the needle is sharp, while the remaining part has an oval cross-section, flattened for better grip in a vise. Thanks to its unique properties, it can be successfully used in many surgical procedures.

MANUFACTURER:

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# coreflon

PTFE SURGICAL SUTURE

**Product for professionals**  
**FIRST SMOOTH PTFE SURGICAL SUTURE**



**FIRST SMOOTH PTFE SURGICAL SUTURE**

**PTFE** SURGICAL SUTURE

## PTFE

Polytetrafluoroethylene (PTFE) is a nonabsorbable material of high biocompatibility which for many years has been used for production of vascular implants, heart valves and membranes for guided bone regeneration. PTFE is also used for production of surgical suture.

### Properties of dPTFE thread

- Its unique softness and smoothness enables it to go through soft tissues minimizing micro- damage reaction around tissue duct, which prevents from bacterial colonization in deeper layers of the wound.
- The thread does not retain the coiled shape after unpacking, which makes it easier to work with.
- The surgical knot made with PTFE suture is durable and does not loosen. The ends of the suture do not cause irritation of the cheek, lips and tongue, unlike suture materials based on various monofilament fibres, which additionally may contribute to the formation of viral changes on mucous membrane.
- In contrast to braided sutures, especially those made from absorbable materials, Coreflon does not absorb blood, saliva, bacteria and food residues. That promotes wound healing *per primam intencionem*.
- Despite its soft and delicate nature, Coreflon firmly supports tissues during the whole healing process, in contrast to resorbable materials which maintain tissues only in the early stages of healing due to the presence of multiple enzymes in the mouth.

### ePTFE vs dPTFE

Surgical sutures made from ePTFE are used mostly in vascular and cardiac surgery. Pores in ePTFE sutures are interlaced by soft tissues and vessels, so the sutures are permanently incorporated in the body. As far as wound closure in the oral cavity is concerned, this property is unnecessary - surgical sutures in the mouth are removed 7-10 days after surgery. Coreflon is different. It is the first smooth PTFE surgical suture (dPTFE) without micropores, which very effectively reduces dental plaque adhesion and accumulation of bacteria and food residues. It is easy to remove due to lower capillarity.

## Black & White

Innovative combination of a white PTFE suture with a black needle ensures excellent visibility in the surgical field. The black needle is well visible under soft tissue. Thanks to this solution we can accurately determine the direction of the needle when it passes through the skin or mucosa. This is especially important in precise oral or plastic surgery.

### Needle mounting

The way the needle is mounted - a smooth transition between the needle and the thread - contributes to minimizing trauma of the sewed tissues.

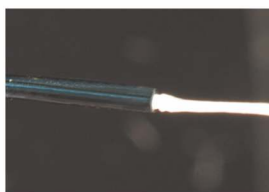
### Needle properties

Choosing a partner to produce needles, we took into account years of experience, as well as opinions of renowned surgeons. Top quality is our priority.

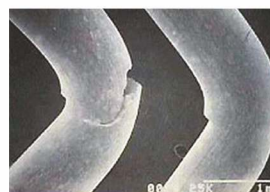
Our surgical needles are made of high quality steel with unique chemical composition. The hardness of the steel minimizes the risk of mechanical damage to the cutting surface during surgery. Needles maintain sharp cutting surface during stitching, which ensures precision of surgery. They do not undergo distortion, even when used for a deformed tissue such as post-operative scar.

### Standard in minimally invasive surgery

The aforementioned features of Coreflon surgical suture make it the most technologically advanced suture material for oral and plastic surgery.



needle mounting



needle properties

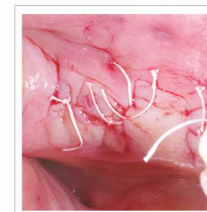
## CASES

Clinical images of wounds in the oral cavity sutured with Coreflon: immediately after surgery and 7 days later.

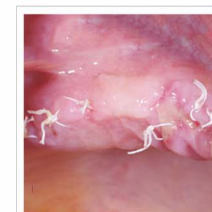
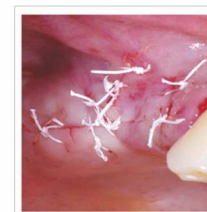
After the 7-day period the mucosa does not show signs of inflammation, wounds heal per primam intencionem.

In most cases, after a week of healing, Coreflon stitches can be removed.

Immediately  
after surgery



7 days after  
surgery



### CAUTION!

#### RECOMMENDED SURGICAL KNOTTING TECHNIQUE



#### alternating sequence 3-2-2

Despite unique properties of Coreflon PTFE sutures, standard surgical knotting technique may be applied. However, for knot's maximum durability, knotting technique in **alternating sequence 3-2-2** is recommended.

find out more at [www.coreflon.com](http://www.coreflon.com)



“ I use Coreflon sutures and admit that they are amazing to work with [...]

dr. med. Ernst Fuchs Schaller, Switzerland



“ Parameters, structure and excellent needle quality [...]

Jaroslaw Pospiech DDS, PhD, Poland



“ I have used Coreflon suture several times now and I am very pleased [...]

Oliver Scheiter DDS, PhD, Germany-Spain



“ [...] we needed more than just a PTFE suture - we needed Coreflon suture.

Dr. Alecsandru Ionescu, DDS