MIRACU PDO THREADS
FDA
CLEARED
510(K)
DBM CORPORATION

Miracu®

INNOVATION HAS NEVER BEEN GREATER

TABLE OF CONTENT

01 ***ABOUT US***

OUR MISSION

FEATURED ON

02 ***SCIENCE***

WHAT IS PDO THREAD

WHY USE PDO THREAD

03 ***WHY MIRACU***

PRODUCT CATALOG

04 ELASTY LINE

05 ELASTY MESHFILL

06 FORTE BASIC

07 BARB BI

BARB FC 3D

BARB FC

BARB FCL

BARB FCN

08 ELASTY MESO NEEDLE

09 ELASTY MICRO CANNULA
Blister

ELASTY MICRO CANNULA
Plastic

DBM

Official US Representative of Miracu®
United States, Mexico, and Canada

ABOUT US

INNOVATION HAS NEVER BEEN GREATER

BENEV DBM Corporation (DBM), the official US, Mexican, and Canadian Distributor of MIRACU PDO Threads®. MIRACU PDO Threads®, are the first pre-loaded cannula with US FDA class II clearance for soft tissue approximation where use of an absorbable suture is appropriate. MIRACU PDO Threads® are sold exclusively though DBM, a joint venture between BENEV Company Inc and DongBang Medical Co. Ltd., the largest PDO and cannula manufacturer in Korea. MIRACU PDO Threads are known for their innovative approach to product development and highest-quality materials, and manufacturing practices to ensure safety, stability, and efficacy.

OUR MISSION

DBM, is committed to serving the medical professional community. Combining our expertise in aesthetics, we have established a vertically integrated solution for medical providers.

FEATURED ON

YAHOO! FINANCE

THE AESTHETIC GUIDE

BUSINESS INSIDER

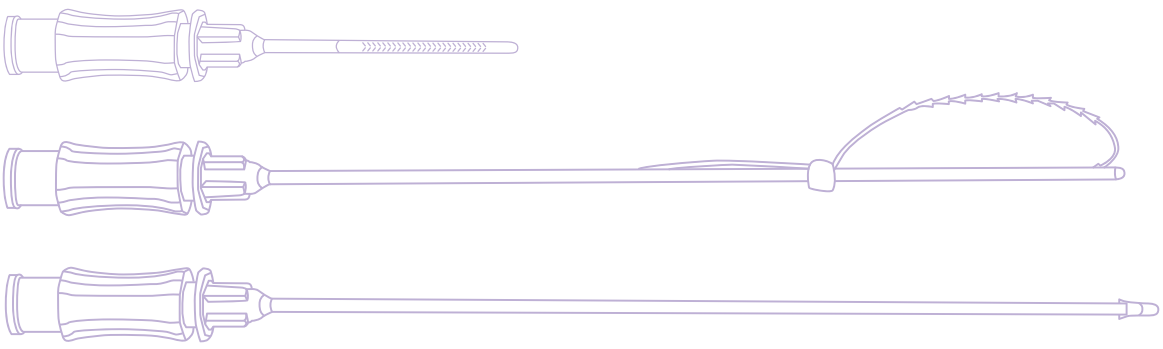
SCIENCE

WHAT IS PDO THREAD

Polydioxanone (PDO) is a strong synthetic monofilament fiber consisting of one solid fiber of thread; it absorbs in 6-9 months depending on thickness. PDO Threads are also known or referred to as PDS, which have been used as a cutaneous and subcutaneous suture material in plastic surgery, Cardiothoracic surgery, trauma surgery, & gynecological surgery for over thirty years.

WHY USE POLYDIOXANONE (PDO) THREAD

PDO THREAD	PCL THREAD	PLLA THREAD
• Absorbs within 6-9 months • Durable – lasts 24 months • Higher resilience first 2-3 months • Hydrophobic • Broken down by hydrolysis • Does not have antigenic or pyrogenic reactions • Has been found to stimulate neo-collagenesis in the skin • Mild fibrosis results which strengthen connective tissue of skin • Has been shown to show an immidiate improvement • Can be used on the body and face	• Absorbs within 2-3 months • Causes pH change in treatment zone • Activates pro inflammatory and pyrogenic reactions • Higher rates of redness, itching, and swelling • As being a synthetic suture, it should not be used to support tissues for prolonged periods	• Absorbs within 12-18 months • Lasts 24 months • Low Flexibility • More discomfort



WHY MIRACU

- The **FIRST** company to get US FDA 510k for a pre-loaded PDO Threads with a designation for soft tissue approximantion.
- Not a repackager. The **ONLY** U.S Company to be in a partnership (joint venture) directly with DongBang Medical, the largest manufacturer of Cannulas & PDO in the world.
- Extensive variety of thread types, sizes, gauges and cannula tips:

TYPES OF PDO THREAD:

Smooth Thread, Volume Thread, Barbed Thread

TYPES OF CANNULA

	SHARP	Sharp needle minimizes pain and reduces scars
	FC	Blunt tipped cannula reduces blood vessel damage, bruising, and pain
	FCL	L - shaped cannula
	FCN	Oval shaped cannula with open pointy tip. Compatible with FC and FCL type
	FCV	Elasty Line dedicated cannula
	FN	Elasty Meshfill dedicated cannula

- Our specialty threads offer 10 X to 20 X the tensile strength.
- Threads are “molded” rather than “cut” to increase tensile strength.
- Sterile individual packaging.
- Larger interior diameter without proportionally larger needle diameter:
  - › Thinner needle outer shell for greater flexibility
  - › Less tendency to bend
- Ultra small 34G Meso Needle is available.
- Competitively priced.

ELASTY LINE

THE WORLD'S FIRST CONE-ANCHOR THREAD

High polymer of special coated PDO Thread with anchor on the tip of the cannula provides strong precise fixation onto the muscle to prevent pushing by skin tissue.

CANNULA TIP

With anchor on the enterance of FCV cannula, Elasty Line strongly and precisely fixates onto the muscle where desired.

ELASTY LINE

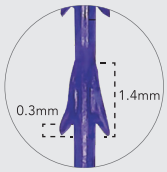
Fixation strength maximized by anchor on entrance tip of cannula.

Typical Thread

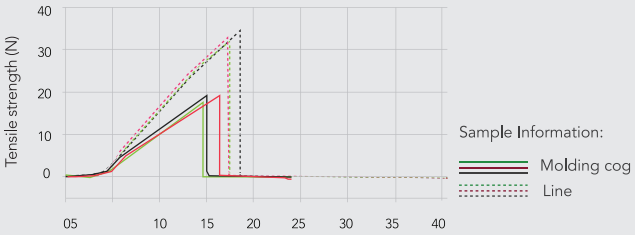
Strong fixation is difficult due to folded form of thread.

COG SHAPE

Deep cog hook allows powerful fixation.



TENSILE STRENGTH TEST GRAPH



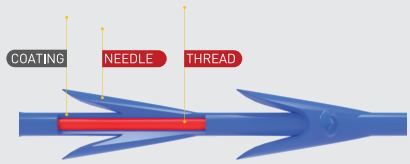
General Purpose

Pull to Limit Setup
Preload : 0.500 N
Speed : 100.0 mm/min

Gauge Length: Not Applicable
Area : Not Applicable
Stop At : Deflection of 50.0 mm

DOUBLE-COATED THREAD

High polymer of special method coats the PDO Thread for powerful and strong premium thread.



LINE EXCLUSIVE CANNULA (FCV)

Specially designed to reduce the resistance of fixing anchor at the tip to minimize the scar and maximize the features of the cone-anchor.

ELASTY LINE

Highest tensile strength threads available with dual coating & pressed methods which creates deep bi-directional cogs.

NEEDLE SHAPE
FCN Cannula

CLASSIFICATION
Barbed Thread

UNITS
10 units

TENSILE STRENGTH
+ + + + +

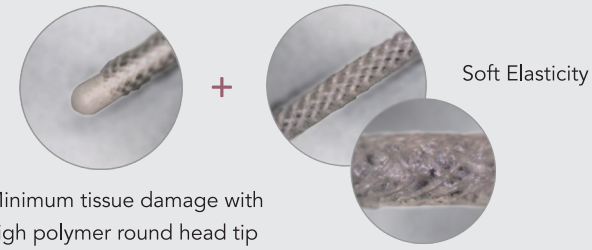
GAUGE & LENGTH
Refer to price sheets to see available sizes

ELASTY MESHFILL

THE WORLD'S FIRST 16-LINE MESH THREAD

Two weeks after insertion of mesh into the layer between the dermis and SMAS, soft tissue grows into the gaps of the mesh and pulls and fixates the dermis and SMAS. The world's first 16-line PDO Thread, provides a volumizing and rejuvenating effect. The ability for use of the cannula with filler may optimize treatment results.

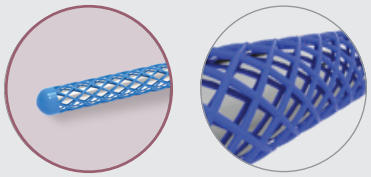
TWO IN ONE FILLER & THREAD



Soft Elasticity

Minimum tissue damage with high polymer round head tip

16-LINE OF MESH THREADS



Enlarge to show detail

- Softer & higher elasticity than existing mesh thread
- Strong tensil strength
- Strong knot, stable during procedure

ELASTY MESHFILL

16 layer mono woven scaffold, designed to add volume. Cannula can be affixed to a filler.

NEEDLE SHAPE
FN Cannula

CLASSIFICATION
Volume Thread

UNITS
10 units

TENSILE STRENGTH
+ + + + +

GAUGE & LENGTH
Refer to price sheets to see available sizes

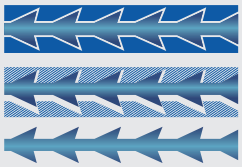
FORTE

STRONGER LIFTING THREAD

The MIRACU Forte PDO Thread is a press cutting thread with bi-directional cogs.

MANUFACTURING PROCESS

Forte is newly-developed dissolvable stitch fiber, manufactured by a specific process of press sculpting without heat treatment.



Sculp cutter

PDO

LONG LASTING

Forte's advanced manufacturing method preserves the thread shape for an extended time.

Initial shape | After 30 days | After 90 days

FORTE CROSS SECTION

FORTE THREAD | Other thread

FORTE BASIC

Press cutting thread with bi-directional cogs.

NEEDLE SHAPE
FCN Cannula

CLASSIFICATION
Barbed Thread

UNITS
10 units

TENSILE STRENGTH
+ + + +

GAUGE & LENGTH
Refer to price sheets to see available sizes

BARB

BARB BI PDO THREAD

Barbed thread with barbs opposing each other on one side, on each half of the thread toward the center. The thread allows the practitioner to manipulate the skin onto the barb and pull the skin in the desired direction. Cutting thread without cogs.

NEEDLE SHAPE
Sharp

CLASSIFICATION
Barbed Thread

UNITS
10 units

TENSILE STRENGTH
+ + + + +

GAUGE & LENGTH
Refer to price sheets to see available sizes

BARB FC 3D PDO THREAD

Barbed thread with barbs anchored on three sides or dimensions of the thread toward the center. The thread allows the practitioner to manipulate the skin onto the barb and pull the skin in the desired direction, and allows for greater volume. Cutting thread without cogs.

NEEDLE SHAPE
FC Cannula

CLASSIFICATION
Barbed Thread

UNITS
10 units

TENSILE STRENGTH
+ + + + +

GAUGE & LENGTH
Refer to price sheets to see available sizes

BARB FC PDO THREAD

Barbed thread with barbs opposing each other on either side, on each half toward the center. The thread allows the practitioner to manipulate the skin onto the barb and pull the skin in the desired direction.

NEEDLE SHAPE
FC Cannula

CLASSIFICATION
Barbed Thread

UNITS
10 units

TENSILE STRENGTH
+ + + + +

GAUGE & LENGTH
Refer to price sheets to see available sizes

BARB FCL PDO THREAD

Barbed thread with barbs opposing each other on either side, on each half toward the center. The thread allows the practitioner to manipulate the skin onto the barb and pull the skin in the desired direction. Suitable for the nasal area.

NEEDLE SHAPE
FCL Cannula

CLASSIFICATION
Barbed Thread

UNITS
10 units

TENSILE STRENGTH
+ + + + +

GAUGE & LENGTH
Refer to price sheets to see available sizes

BARB FCN PDO THREAD

Oval tipped barbed thread with barbs opposing each other on either side, on each half toward the center. The thread allows the practitioner to manipulate the skin onto the barb and pull the skin in the desired direction. Compatible with FC and FCL Barb PDO Threads.

NEEDLE SHAPE
FCN Cannula

CLASSIFICATION
Barbed Thread

UNITS
10 units

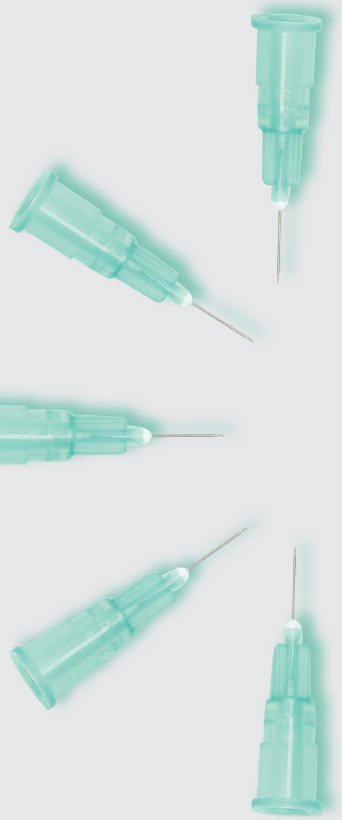
TENSILE STRENGTH
+ + + + +

GAUGE & LENGTH
Refer to price sheets to see available sizes

ELASTY MESO NEEDLE

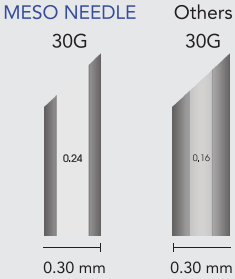
MICRO-POLISHING TECHNOLOGY FOR PAIN RELIEF

Minimizes skin damage with reduces bleeding and sweeling during in treatment. Micro-polishing technology for soft insert is relieves pain. And ultra thin wall is possible to inject high-Viscosity solutions.



FINE SYRINGE

Ultra-thin wall with larger internal diameter.



MINIMIZED SOLUTION LOSS

THREE LEVELS OF GASKET RING

Prevents the backwards flow of solution.

EMBEDDED NEEDLE

Minimizes solution loss between the needle and syringe.

DOW CORNING SILICON COATING

Soft and confortable injection with Dow Corning Silicon coating on needle.

ELASTY MESO NEEDLE

NEEDLE SHAPE
Cannula

UNITS
100 units

GAUGE & LENGTH
Refer to price sheets to see available sizes

ELASTY
MICRO CANNULA

MICRO-POLISHING TECHNOLOGY FOR SOFT INSERT

Minimizes skin damage with reduces bleeding and sweeling during in treatment. Micro-polishing technology for soft insert is relieves pain. And ultra thin wall is possible to inject high-viscosity solutions.

MICRO FILLER NEEDLE

Micro filler needle to minimize skin damage.

Ultra thin wall + Less trauma + Excellent result + Minimal downtime

ELASTY MICRO CANNULA (BLISTER)

NEEDLE SHAPE
FCN Cannula

UNITS
24 units

GAUGE & LENGTH
Refer to price sheets to see available sizes

ELASTY MICRO CANNULA (PLASTIC)

NEEDLE SHAPE
FCN Cannula

UNITS
50 units

GAUGE & LENGTH
Refer to price sheets to see available sizes

DBM

Official US Representative of Miracu®

www.MiracuUsa.com

SM-004 REV A01