

# PINE BM

Medical-based Total Aesthetic Company



▲▲▲ For better life

○ Advanced Medical Aesthetic

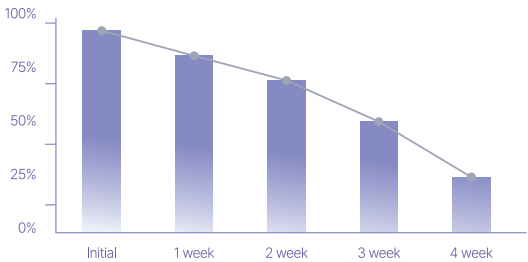
HA FILLER  
ESSORB  
VSORB



# GLSORB

## PGLA Absorbable Surgical Suture

GLSORB thread is composed of a copolymer made from 90% glycolide and 10% L-Lactide (PGLA) and available in violet or undyed. It is coated with calcium stearate and 30:70 poly(glycolide-co-L-Lactide). Needles are made up of biocompatible stainless steel.



# PETFIL

## PGLA Absorbable Suture for Vet

PETFIL is Veterinary Absorbable Suture that is used to suture/ ligate animal blood vessels, soft tissues, and skin. It is Polyglactin Thread in violet color, with braided type.

In the in-vitro test experiment, the tensile strength after 2 weeks after the suture implantation is about 65% or more of the initial strength.

The absorption of this suture is complete within 60 to 90 days being absorbed by hydrolysis.

Needle Type	Suture Type	Needle Length	Suture Length	USP (Metric)
Taper point	PGLA	48mm	120mm	3&4
		52mm	150mm	3&4
		3/8 Circle	90mm	2

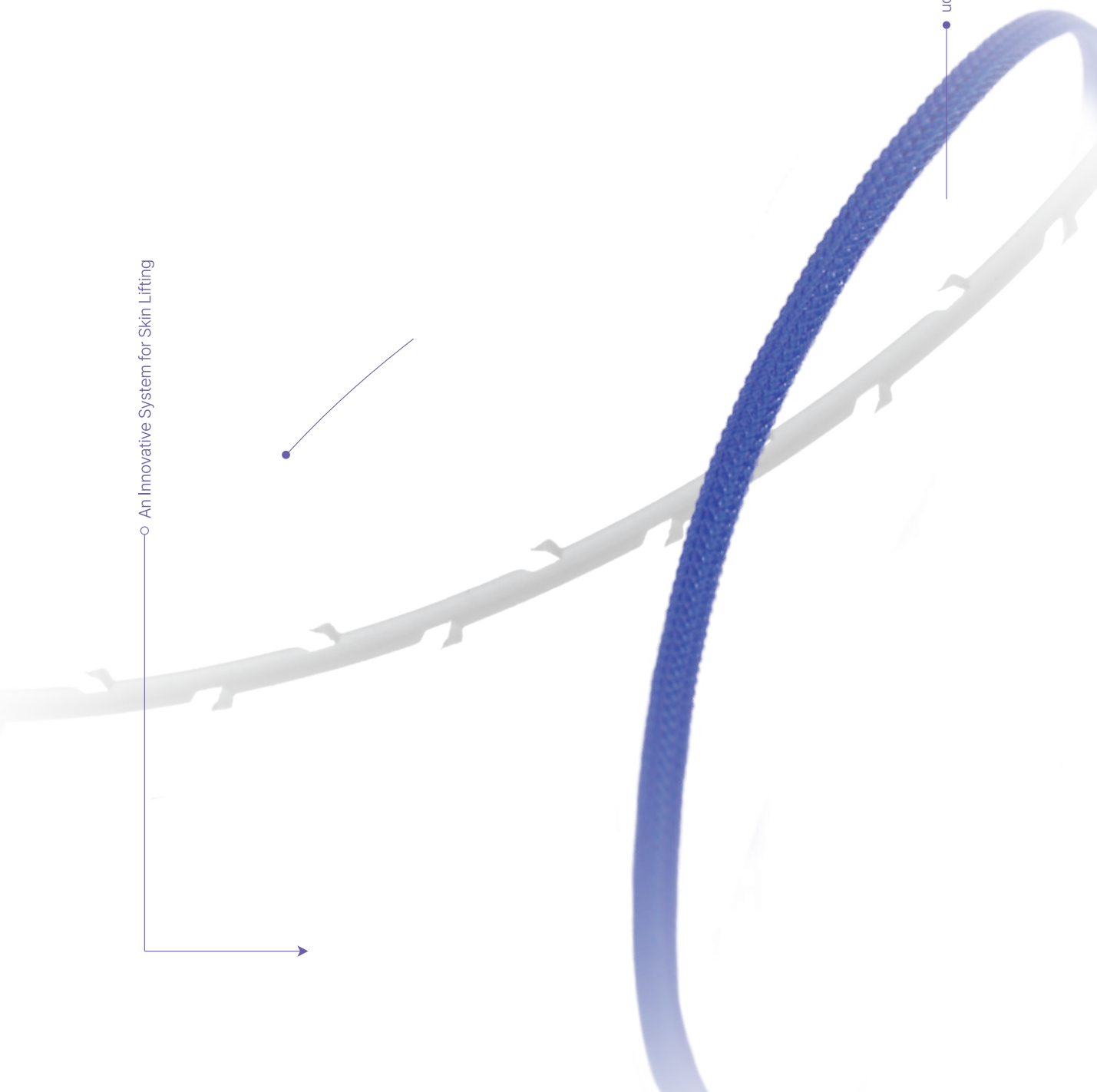


# VSORB

BASIC  
FLAT MESH

○ An Innovative System for Skin Lifting

For Skin Firmness and Tension






## BASIC

High lifting effect can be expected due to COG's strong tensile strength and tissue fixation.




It is effective for forehead and neck lifting. Depending on treatment area embedding can be used to maximize the effect.

COG의 조직정착력과 높은 인장력으로 높은 리프팅 효과를 기대할 수 있습니다. 이마거상과 턱라인 교정에도 효과적입니다.




시술부위에 따라 매선을 혼용해 사용할 경우, 효과를 극대화 할 수 있습니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Spatular & Blunt	-	0	290	o	-	-
	-	0	320	o	-	-
	-	2/0	440	o	-	-
	-	2/0	480	o	-	-

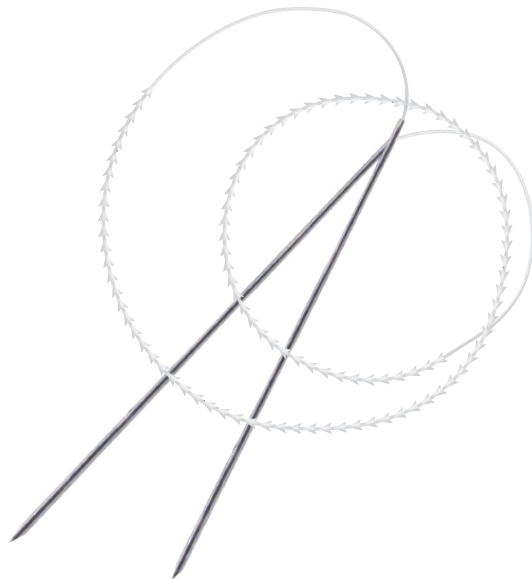
Spatular  Blunt 

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Spatular & Blunt	-	0	290	-	o	o
	-	0	320	-	o	o
	-	2/0	440	-	o	o
	-	2/0	480	-	o	o

Spatular  Blunt 

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Spatular & Blunt	-	0	290	o	o	-
	-	0	320	o	o	-
	-	2/0	440	o	o	-
	-	2/0	480	o	o	-




Spatular  Blunt 



## FLAT MESH

High bearing capacity of Flat Mesh helps to achieve effective double chin lifting result. The procedure is simple and offers a long lasting effect.

무거운 지방을 지탱할 수 있는 능력이 뛰어난 플랫메쉬는 이중턱 리프팅에 아주 효과적입니다. 시술 과정은 간단하지만, 리프팅이 오래 지속됩니다.

Needle		Thread			Mesh	PDO	PCL	PLLA
Option	Guage/mm	USP	mm	type	mm			
Blunt	-	0	145x2	mold	100	o	-	-
	-	1	145x2	slice	100	o	-	-
	-	2	145x2	slice	100	o	-	-

Blunt 

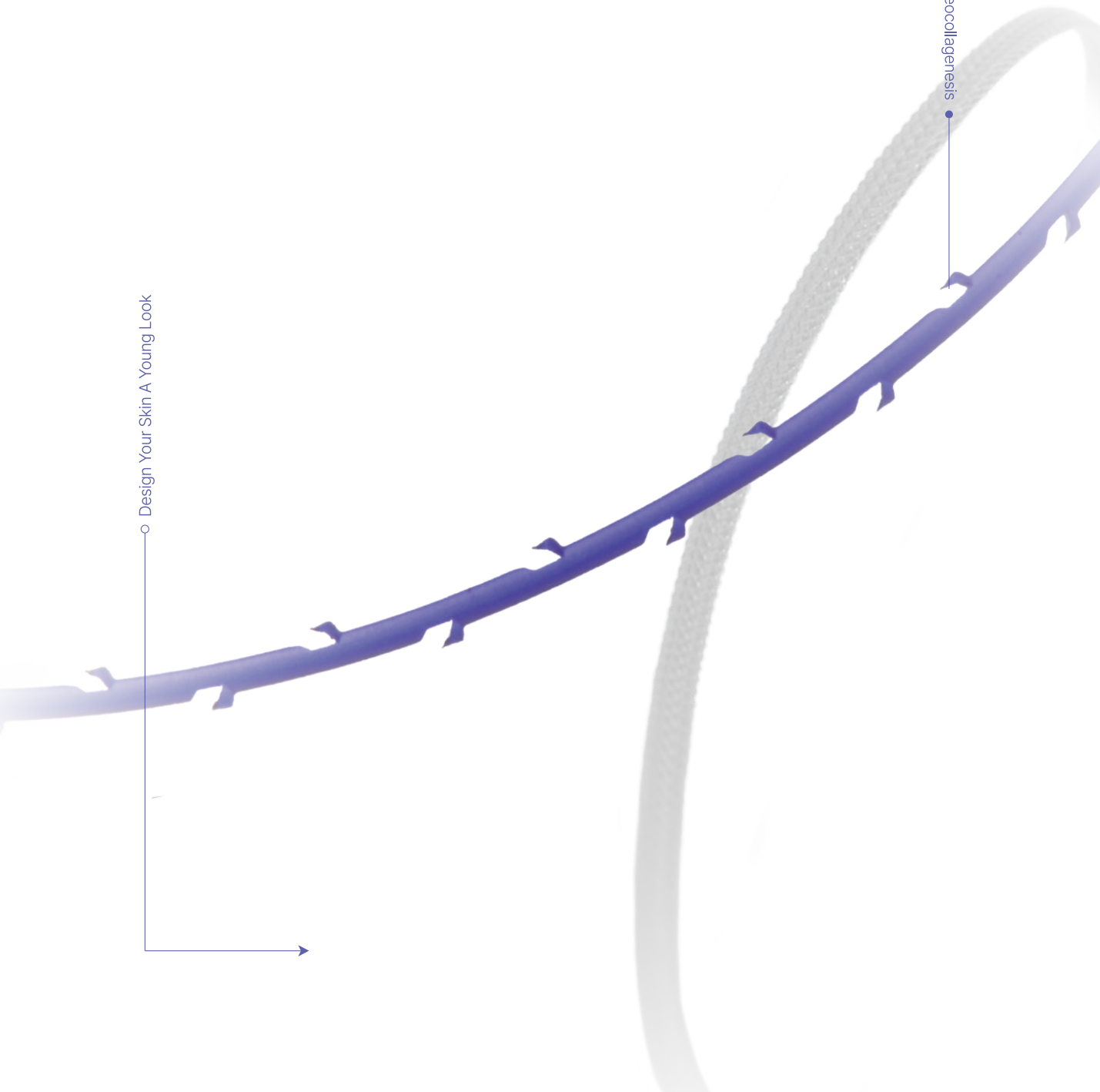


# ESSORB

MESH  
COG  
BASIC

o Design Your Skin A Young Look

Stimulating the Process of Neocollagenesis



# MESH

## VOLUME MESH

Multiple threads are braided for cells to move into the holes on the surface of mesh for maximizing the effect of tissue formation.

Effective for removing deep-wrinkles.

여러가닥이 브레이딩 되어있고, 표면의 구멍으로 세포의 이동을 유도해 조직생성효과를 극대화합니다. 깊은 주름 제거에 효과적입니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(L)	18G 60mm	5/0	80	o	o	-
Blunt(L)	18G 100mm	5/0	160	o	o	-
Blunt(L)	19G 38mm	6/0	40	o	o	-
Blunt(A)	19G 50mm	6/0	60	o	o	-
Blunt(L)	19G 60mm	6/0	80	o	o	-
Blunt(L)	19G 100mm	6/0	160	o	o	-



## CONE MESH

Effective for removing wrinkles around nasolabial folds, marionette line.




팔자주름, 목주름, 입가주름 제거에 효과적입니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(R)	23G 50mm	5/0	40	-	o	-



## COBRA COG




It has a strong lifting effect thanks to its traction and tensile strength due to its dual cutting.  
 듀얼컷팅으로 견인력과 인장력이 우수합니다. 리프팅 시술에 사용됩니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(W)	19G 100mm	0	200	o	-	-
Blunt(L)	19G 100mm	0	200	o	-	-
Blunt(L)	20G 70mm	2/0	140	o	-	-
Blunt(L)	20G 100mm	2/0	200	o	-	-



## SLICE COG




The thread has been processed similar to L-shape. The thread itself is thick so it is easy to anchor.  
 실을 L자에 가깝게 가공하였으며, 코그 자체가 두꺼우므로 앵커링이 용이합니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(L)	19G 100mm	0	200	o	o	-



## MOLD COG




It is effective for deep and dark wrinkles. Moreover it has strong lifting effect.  
 깊고 진한 주름과 피부처짐에 사용되며, 리프팅의 지속기간을 강화한 제품입니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(W)	18G 100mm	2	170	o	o	-
Blunt(L)	18G 100mm	2	170	o	o	-



## KING COG

Double sided cog catches and pulls the tissue well to give a natural lifting effect.  
 두개의 코그가 잡고 당겨주어 피부가 울지않는 자연스러운 리프팅효과를 줍니다.




Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(W)	19G 100mm	0	150	-	-	o








## KOKO

It is optimized for cosmetology. In 19G38mm it was used for Columella, in 19G50mm for dorsum.  
코시술에 최적화된 제품으로 19G38mm로 코기둥, 19G50mm으로 콧등을 지탱합니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(H-L)	19G 38mm	0	40	o	o	-






Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(H-L)	19G 50mm	2	70	o	o	-



## COG SCREW

It reaches deeper level of the skin and covers larger area. Therefore, tissue stimulation effect is higher.

피부 심층부에 닿는 면적이 넓기에 더 큰 자극과 효과를 기대할 수 있습니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Basic	25G 60mm	5/0	195	-	-	o



# BASIC

## MONO

It gives natural volume and used as a pain treatment.  
자연스러운 볼륨감과 통증치료에 사용됩니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Basic	26G 38mm	5/0	50	o	o	o
Basic	26G 60mm	5/0	90	o	o	o
Basic	27G 38mm	5/0	50	o	o	o
Basic	27G 60mm	5/0	90	o	o	o
Basic	29G 38mm	6/0	50	o	o	o
Basic	29G 50mm	6/0	80	o	o	o
Basic	29G 60mm	6/0	90	o	o	o
Blunt(F)	30G 25mm	6/0	30	o	o	-



## KOKO BEAD

Less bleeding, bruising, and swelling bead head shape. Bead ended thread is used to strengthen anchoring effect.  
끝단을 비드형태로 가공하여 앵커역할을 강화한 제품입니다. 침관삽입에 비교하여 출혈이 적으며 멍, 붓기를 최소화 합니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(R)	19G 70mm	3&4	120	o	-	-



## BOUQUE

Six mono thread can be inserted at once, effective for neck wrinkles.  
머리카락보다 가늘은 11/0 사이즈의 실이 몸속에서 퍼지며 재생효과를 이끌어냅니다.

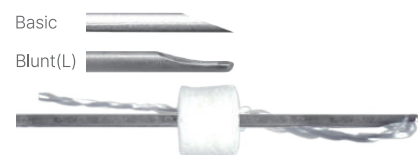
Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(L)	23G 50mm	6/0	70	o	o	o



## SOFT FILA

Thinner than hair, 11/0 size thread spreads through the body to stimulate tissue reproduction.  
머리카락보다 가늘은 11/0 사이즈의 실이 몸속에서 퍼지며 재생효과를 이끌어냅니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Blunt(L)	23G 50mm	9/0	60	-	-	o
Basic	27G 38mm	11/0	50	-	-	o



## TWISTED SINGLE

Excellent for tightening effect.  
타이트닝 효과에 탁월합니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Basic	26G 38mm	5/0	50	o	o	o
Basic	26G 60mm	5/0	90	o	o	o
Basic	29G 38mm	6/0	50	o	o	o
Basic	29G 60mm	6/0	90	o	o	o
Basic	30G 25mm	6/0	30	o	o	o



## TWISTED TWIN

Two threads are twisted form for maximizing tissue stimulation, used for face and neck wrinkles.  
두가닥의 실을 꼬아 표면에 굴곡을 형성해 피부자극을 최대화합니다. 얼굴라인과 턱선, 목주름에 사용됩니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Basic	26G 38mm	7/0	50	o	o	o
Basic	26G 60mm	7/0	80	o	o	o
Basic	26G 90mm	7/0	130	o	o	o



## TWISTED DOUBLE

Commonly used for marionette line, short procedure time.  
마리온네트라인에 사용하기 쉽고, 시술시간이 짧습니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Basic	26G 38mm	7/0	50	o	o	o
Basic	26G 60mm	7/0	90	o	o	o
Basic	26G 90mm	7/0	130	o	o	o



## TRIPLE

Effective for fine lines.  
통증, 잔주름 개선에 효과적입니다.

Needle		Thread		PDO	PCL	PLLA
Option	Gauge/mm	USP	mm			
Basic	25G 38mm	7/0	50	o	o	o
Basic	25G 60mm	7/0	90	o	o	o



# POLYDERM

COLLAGEN STIMULATOR  
HYALURONIC ACID

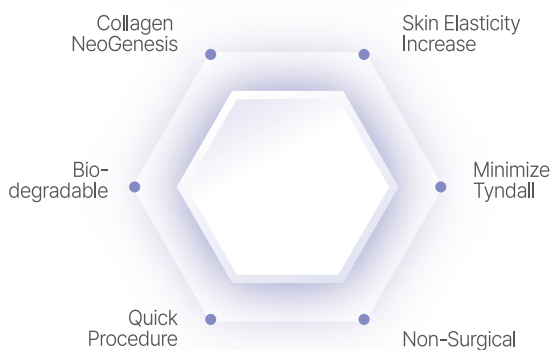
Reinvigorates With Natural Looking Volume •

○ A Different Dermal Collagen Stimulator



# POLYDERM

## COLLAGEN STIMULATOR



- Allow skin to produce collagenous fiber and break down subcutaneous fat, so that lead improvements in skin tone and elasticity.
- POLYDERM one vial is same weight of 100pcs mono 29G 38mm.
- PDO(Poly-dioxanone) Filler White Opaque Liquid Filler Minimize Tyndall phenomenon.
- POLYDERM remain in our body for 6 to 8 months to extend the anti-aging effect and then hydrolyzed into our body.
- Principle : bio-degradable polymers active dermis of the skin and facilitate cell reproduction and collagen NeoGenesis.
- Improvements in wrinkle and dark-circle taken with hyaluronic acid filler.

### POLY-DIOXANONE : PDO

Biodegradable fully in the organism from 180 days to 1.5 years (depending on the thickness of the material), with the formation of the connective tissue around the surface of the material. Progressive loss of strength on tension and abstraction are conditioned that the process of hydrolysis of polydioxanone is the formation of monomers 2-hydroxy-ethoxyacetic acid, substances that will be absorbed and dissolved in water and carbon dioxide.

### POLYCAPROLACTONE : PCL

Fully biodegradable from 6 months to 3 years (depending on the thickness of the material) with the formation of the connective tissues around the surface of the suture. In the body, PCL biodegradation occurs mainly in the hydrolytic process with the formation of hydroxycaproic acid monomers, with the subsequent biodegradation in water and carbon dioxide.

### POLY-L-LACTIC ACID : PLLA

Poly lactic acid (PL (+) LA) was historically the first biodegradable material used for medical purposes. It is absorbed fully in the body from 3 months to 2 years (depending on the thickness of the material). Lactic acid exists in the form of two stereoisomers D (-) (lactic acid acidification) and L (+) (lactic acid existing in tissues, blood, breast milk). Therefore, lactic acid in L (+) configuration is more physiological for the body. Biodegradation of PL (+) in the body is carried out by various enzymes of subclasses of esters, which belong to the class of hydrolyses. These enzymes participate in the reactions of decomposition of organic compounds in alcohol and acids with the participation of water molecules. A long biodegradation period, despite the presence of enzymes for cleavage, is due to the similar composition of the original polymer and materials of primary hydrolysis.



#### POWDER

500mg 1000mg



#### LIQUID THREADS. REAL

PDO POWDER + HA



#### POWDER

250mg 500mg



#### LIQUID THREADS. REAL

PCL POWDER + HA



#### POWDER

250mg 500mg

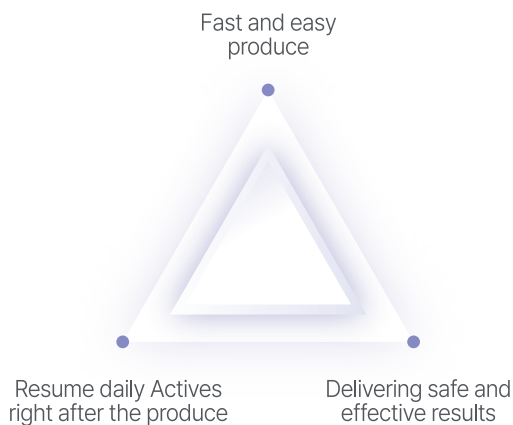


#### LIQUID THREADS. REAL

PLLA POWDER + HA

# POLYDERM

HYALURONIC ACID



## POLYDERM Body

HA filler providing excellent moldability and longevity Suitable for body procedures Effective for Natural Lines & volume.

Type	S	H
Ingredient	Sodium Hyaluronate Gel	
HA content	20mg / 1syringe	
Volume	10ml x 1cc	
Injection Location	Breast and Buttock augmentation	



## POLYDERM Face

POLYDERM CRYSTAL, AQUA, LIGHT allows a precise procedure for specific areas, and ensures a safe and effective result.

Type	LIGHT	MID	VOLUME
Ingredient	Sodium Hyaluronate Gel		
HA content	20mg/ml		
Volume	1ml x 1syringe		
Injection Location	Mid Dermis Fine Wrinkle	Mid-Deep Dermis	Volume-Dermis



## GREAT MOLDABILITY

### Semi-solid Gel type

Micro particles of POLYDERM shows high cohesiveness and provides safety and long-lasting effect without altering its chemical properties, results in a superior outcome



Photo of Viscosity test (after 4 mins, at 36.5°C) vertical Glass

It can be seen that the product has excellent viscoelasticity

Does not flow down by gravity after human injection

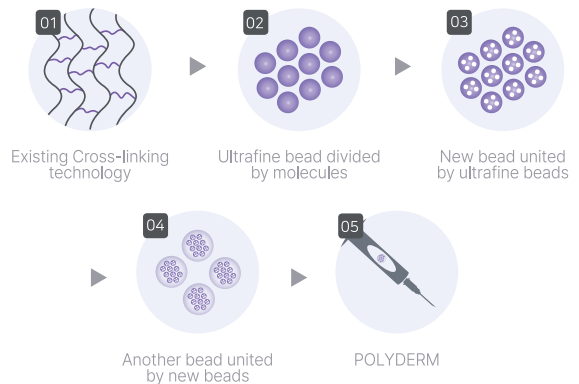
Does not scatter or move down due to massage

It is a product that stays for a long time in the desired treatment area.

## CROSSLINKING TECHNOLOGY

### Micro Beads of Cross-Linked Hyaluronic Acid

Maximized the viscosity of the cross-linked HA by applying the patented 3-staged micro bead process.



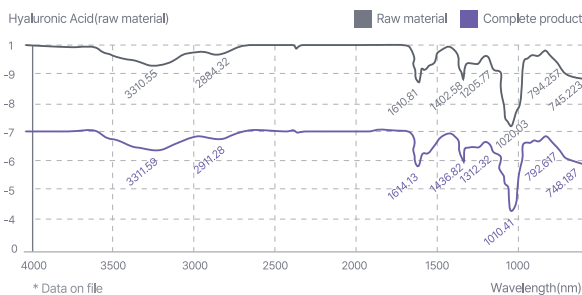
Commonly used technology to cross-link HA (Primary or Secondary cross-linking process can be different for each company)

## QUALITY CHARACTERISTIC

### Safe & Removable

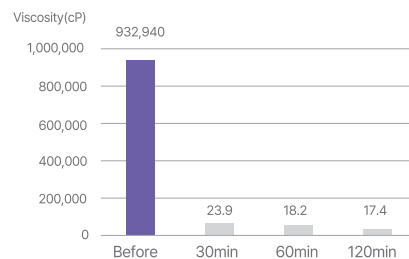
The product is safe with no chemical modifications in the HA, even after high cross-linking process.

#### Refractive absorbance analysis



The wavelength pattern of POLYDERM is the same as its raw material, showing that the product has not altered its physical properties.

#### Hyaluronidase test



We can see how our product easily dissolves with hyaluronidase.



(주)파인비엠

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