



Where every suture is a seal of confidence



advancing the way we care



Vision

- Serve and care for more healthcare professionals and patients

Mission

- Become the most preferred company by providing high quality medical technologies at affordable prices to meet the needs of patients, healthcare professionals and providers in the global markets whilst serving and meeting our Corporate Social Responsibilities

SERVING AND CARING FOR MORE PATIENTS

Advanced MedTech Solutions (AMS) is dedicated to advancing patient care by providing high quality medical device technologies to serve the needs of more patients and healthcare professionals.

Global healthcare needs are increasing – and the collective capacity to answer them is challenged by meeting the demands of an aging population, the growing burden of chronic disease, and complex healthcare policies, it's incredibly clear the pace of change has never been greater.

The desire to make a difference in patients' lives led to the genesis of AMS.

EMPOWERING HEALTHCARE PROFESSIONALS

Headquartered in Mumbai, India, the company was established by an elite team of respected industry leaders and visionaries who understand the challenges of the current healthcare environment.

Redefining and raising the bar on standards of quality, care and trust our unwavering mission is to improve patient care through meaningful solutions.

CUTTING EDGE SOLUTIONS

Our state-of-the-art facility is located in the industrial center of Vadodra, Gujarat. This eco-friendly manufacturing plant is singular in design and distinguished in efficiency. Designed by renowned Spanish architect Ricardo Bofill, it is equipped to manufacture a cutting-edge class of medical devices that meet the most stringent global standards.

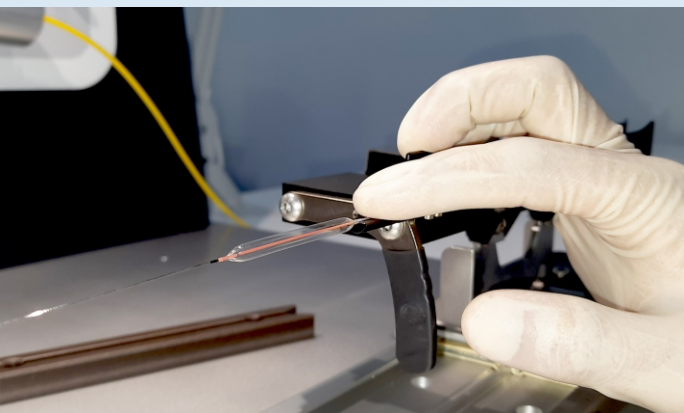
It serves as a technological and educational ecosystem focused on the medical science fields of Surgery & Interventional Cardiology.

ADVANCING HEALTHCARE – OUR COMMITMENT

With a dedication to excellence, we are committed to optimizing patient outcomes through quality, affordability, and accessibility – the heart of the AMS mission.

Reaching out to healthcare professionals and providers around the world, Advanced MedTech Solutions offers a compelling choice with a corporate and social responsibility founded on *advancing the way we care* for generations to come.





STATE OF THE ART EXCELLENCE

- Designed by world renowned Spanish Architect, Ricardo Bofill
- 10.5 acres of plot area, with approximately 150,000 sq. ft. constructed in Phase 1
- Facility complies to LEED Gold Standard on Green building principles

ROBUST MANUFACTURING

- Best in class equipment and machinery sourced from U.S and Europe
- Process flow designed as per LEAN principles with Cell concept and Unidirectional flow of materials
- Shop floor design complies with schedule M and Class 10,000 Clean room environment

GLOBAL QUALITY STANDARDS

- Emphasis on all Quality Management pillars – Planning, Control, Assurance and Improvement
- In-house EtO Sterilizer, Microbiological Laboratory and Testing
- Certifications : ISO 13485:2016 & CE
- State of the Art Training Institute



Commitment to Quality



Advancing the Science of Wound Closure

Introducing our advanced range of sutures for confident surgical outcomes

Every surgery delivers a life changing impact for patients. Towards that purpose, our surgical sutures are designed to offer unmatched precision, unparalleled strength and optimal efficiency. Poised to redefine the way surgery is done, our suture range maintains the integrity of closure with absolute strength retention while minimizing the risk of infection and tissue trauma. Developed at our state-of-the-art facility, Advanced MedTech Solutions suture range helps you achieve optimal patient outcomes by delivering consistent product performance pass after pass.

ABSORBABLE SUTURE

ADVACRYL | Polyglactin-910 | Braided Coated Synthetic Absorbable Surgical Suture

ADVACRYL PLUS | Polyglactin-910 | Antibacterial with Triclosan Braided Coated Absorbable Surgical Suture

ADVACRYL RAPID | Fast Absorbing Polyglactin-910 | Braided Coated Synthetic Absorbable Surgical Suture

ADVAMRYL | Poliglecaprone - 25 | Monofilament Synthetic Absorbable Surgical Suture

ADVAPD | Polydioxanone | Monofilament Synthetic Long-term Absorbable Surgical Suture

ADVACAT | Collagen from submucosal layer | Natural Absorbable Surgical Suture

NON-ABSORBABLE SUTURE

ADVALENE | Polypropylene | Monofilament Synthetic Non-Absorbable Surgical Suture

ADVABOND | Polyester | Braided Coated Synthetic Non-Absorbable Surgical Suture

ADVALON | Polyamide / Nylon | Monofilament Synthetic Non-Absorbable Surgical Suture

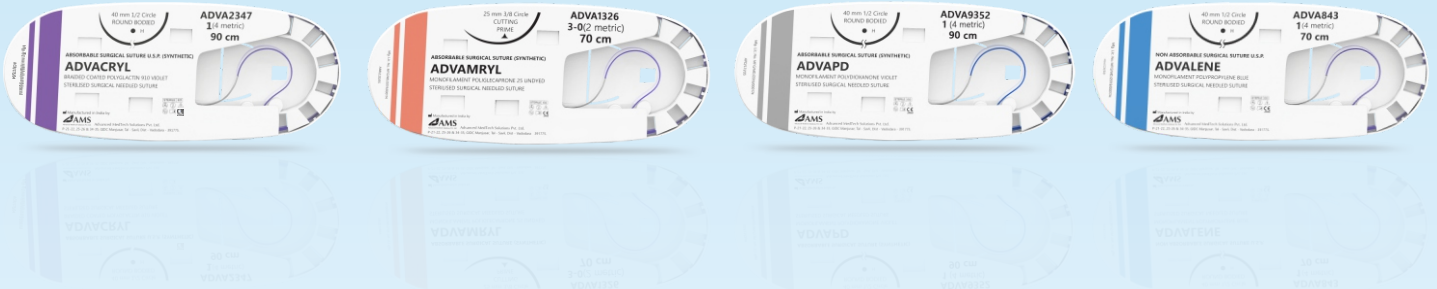
ADVASYL | Proteinaceous silk fibers called Fibroin | Braided Natural Non-Absorbable Surgical Suture

ADVASTEEL | 316 LVM Stainless Steel | Monofilament Non-Absorbable Surgical Suture

ADVAMESH | Polypropylene Mesh | Monofilament knitted Synthetic Non-Absorbable Surgical Mesh

ADVAWAX | Bone wax | Non-Absorbable Bone Wax

ADVATMTRAY - the confidence to suture with ease



The only Polypropylene with an advanced dispensing system

ADVATMTRAY a unique dispensing system designed to deliver ease of suture dispensing with minimal memory in the suture strand⁷



Minimizing Suture Memory, Maximizing Knot Security...

Enhanced robust packaging to ensure seal strength integrity and sterility assurance throughout shelf life

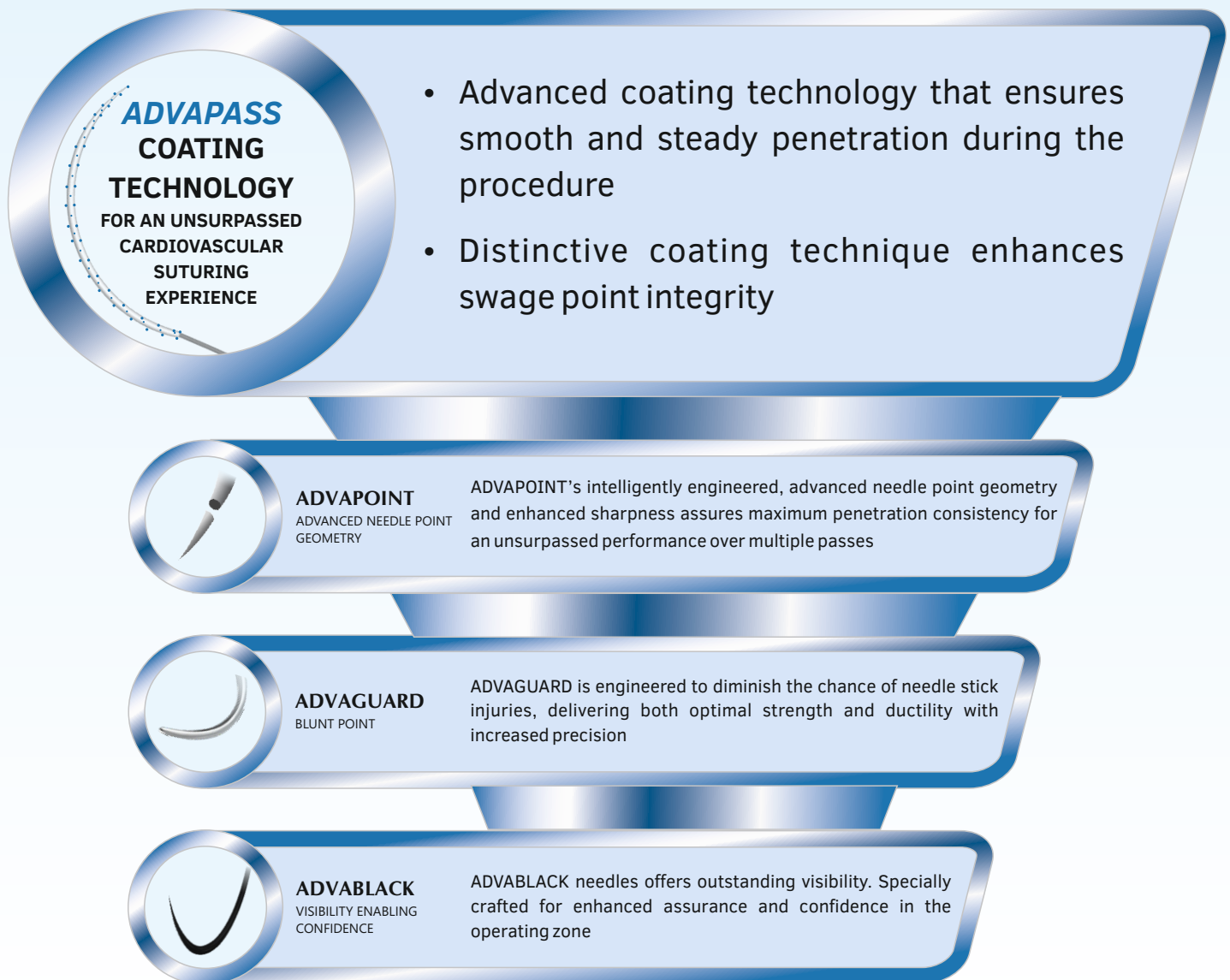
Premium Needles for consistent Superior Performance

Minimal tissue trauma enables faster recovery



* Certain Features are common in specific needles

Advancing the Science of Cardiovascular Needles





ADVACRYL

Polyglactin - 910 (Undyed & Violet)

Braided Coated Synthetic Absorbable Surgical Suture

Consistent performance for confidence in a variety of soft tissue approximation



Product Description

Sr. No.	Code	Suture			Needles		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
1	ADVA0414	VIOLET	3-0	3 X 45	-	-	12
2	ADVA2656	VIOLET	0	75	45 mm, 1/2 Circle, Taper Point	HEAVY	12
3	ADVA2372	VIOLET	2-0	90	37 mm, 1/2 Circle, Taper Point	-	12
4	ADVA2291	VIOLET	3-0	70	37 mm, 1/2 Circle, Taper Point	-	12
5	ADVA2325	VIOLET	3-0	75	16 mm, 3/8 Circle, Cutting	-	12
6	ADVA9106N	VIOLET	4-0	75	17 mm, 1/2 Circle, Taper Point	-	12
7	ADVA2113	VIOLET	5-0	75	17 mm, 1/2 Circle, Taper Point	LONG TAPER	12
8	ADVA2256	VIOLET	5-0	75	16 mm, 1/2 Circle, Taper Point	-	12

Sr. No.	Double Arm Code	Suture			Needles		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
9	ADVA2482	VIOLET	6-0	45	6.5 mm, 1/4 Circle, Spatula Micro Point	-	12

Product Description

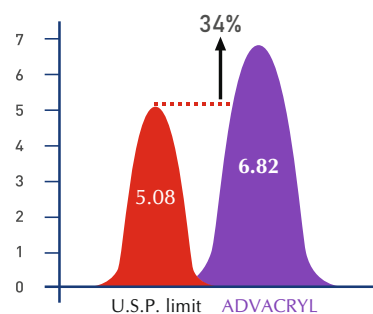
Composition	90% Glycolide, 10% L-lactide
Coating	Copolymer of Poly (glycolide-co-lactide) and Calcium Stearate
Size	U.S.P. size 2 to 6-0
Color	Undyed and Violet
Absorption Profile	Essentially complete up to 80 days
Needle Availability	A wide variety of Round Bodied (Taper Point), Ball Point, Cutting, Trocar, Reverse Cutting, Taper Cut, Blunt Point, Oval Round Bodied, Diamond Point & Spatula Micro Point needles

Tensile Strength

Days of Implantation	Tensile Strength Retention
14 Days	70%
21 Days	50%
28 Days	20%

34% more knot pull tensile strength than U.S.P. limit ensures knot security

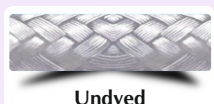
Knot pull tensile strength (KgF)¹



REFERENCE _____

1 : Data on file with AMS - Bench test done on Polyglactin-910 U.S.P. size - 1, 40 mm, Round bodied needle

Multifilament Material



Provides excellent support for a range of critical wound healing period to secure closure in a variety of tissues, procedures and patients.



ADVAPD

Polydioxanone

Monofilament Synthetic Long-term Absorbable Surgical Suture

Enduring performance for confidence in extended wound support

Product Description

Sr. No.	Code	Suture			Needle		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
1	ADVA9614	VIOLET	3-0	75	26 mm, 3/8 Circle, Cutting	-	12

Product Description

Composition	Polydioxanone
Coating	None
Sizes	Size 1 to 5-0
Colour	Violet
Absorption Profile	Essentially complete between 180 to 220 days
Needle Availability	A wide variety of Round Bodied (Taper Point), Ball Point, Cutting, Taper Cut, Trocar, Reverse Cutting, Blunt Point, Oval Round Bodied, Diamond Point & Spatula Micro Point

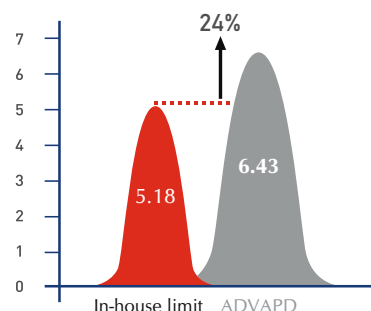
Tensile Strength¹

Days of Implantation & Tensile Strength Retention

14 Days (1 to 5-0)	80%	14 Days (6-0 & 7-0)	75%
28 Days (1 to 5-0)	70%	28 Days (6-0 & 7-0)	65%
42 Days (1 to 5-0)	45%	42 Days (6-0 & 7-0)	30%

24% more knot pull tensile strength than In-house limit ensures knot security

Knot pull tensile strength (KgF)²

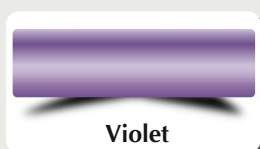


REFERENCE _____

1 : ADVAPD IFU - Data on file with AMS

2 : Data on file with AMS - Bench test done on Polydioxanone, size - 1, 40 mm Round bodied needle

Monofilament Material



WEEKS



Provides excellent support for a range of critical wound healing period to secure closure in a variety of tissues, procedures and patients.

Premium Needles for consistent Superior Performance

PREMIUM NEEDLES
ensure
UNSURPASSED SUTURING EXPERIENCE

DURABLE COAT
RETAINS SHARPNESS... PASS AFTER PASS

Maintains needle sharpness over the duration of procedure, resulting into consistent penetration pass after pass thus less potential for tissue trauma.

RIBBED BODY*
FOR SUPERIOR CONTROL

For superior grasping and stability of needle in needle forceps.

CHAMFERING
MINIMUM SUTURE DETACHMENT

Diminishes chances for future fracturing at the swage, by rounding off the sharp edges of the barrel in the swage area of the needle.

MICRO-FINISHING*
SMOOTH & BRIGHT

Makes needle surface free from micro asperities, thus creates ultra sharp edges for lesser tissue drag.

* Certain Features are common in specific needles

Minimal tissue trauma enables faster recovery



ADVALENE

Polypropylene

Monofilament Synthetic Non-Absorbable Surgical Suture



Reliable performance for confidence in contaminated wound closure

Product Description

Sr. No.	Code	Suture			Needle		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
1	ADVA8832	BLUE	3-0	75	26 mm, 1/2 Circle, Taper Point	LONG TAPER	12
2	ADVA8558SL	BLUE	3-0	75	17 mm, 1/2 Circle, Taper Point	-	12
3	ADVA3986	BLUE	4-0	75	22 mm, 1/2 Circle, Taper Point	-	12
4	ADVA8557SN	BLUE	4-0	75	17 mm, 1/2 Circle, Taper Point	-	12
5	ADVA8890V	BLUE	5-0	75	13 mm, 3/8 Circle, Taper Point	-	12

Sr. No.	Double Arm Code	Suture			Needles (1 & 2)		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
6	ADVA8531	BLUE	0	90	35 mm, 1/2 Circle, Taper Point	-	12
7	ADVA8853S	BLUE	2-0	90	36 mm, 1/2 Circle, Taper Point	-	12
8	ADVA8886	BLUE	2-0	90	26 mm, 1/2 Circle, Taper Point	-	12
9	ADVA8522	BLUE	3-0	90	26 mm, 1/2 Circle, Taper Point	-	12
10	ADVA8422	BLUE	3-0	90	24 mm, 1/2 Circle, Taper Point	-	12
11	ADVA8558	BLUE	3-0	90	17 mm, 1/2 Circle, Taper Point	-	12
12	ADVA8521	BLUE	4-0	90	26 mm, 1/2 Circle, Taper Point	LONG TAPER	12
13	ADVA8015	BLUE	4-0	90	22 mm, 1/2 Circle, Taper Point	-	12
14	ADVA8526DA	BLUE	4-0	75	22 mm, 1/2 Circle, Taper Point	-	12
15	ADVA8526CU	BLUE	4-0	75	22 mm, 3/8 Circle, Taper Point	-	12
16	ADVA8581	BLUE	4-0	90	17 mm, 3/8 Circle, Taper Point	-	12
17	ADVA8871DA	BLUE	4-0	75	17 mm, 1/2 Circle, Taper Point	-	12
18	ADVA8034	BLUE	4-0	90	16 mm, 1/2 Circle, Taper Point	-	12
19	ADVA8556	BLUE	5-0	90	17 mm, 1/2 Circle, Taper Point	-	12
20	ADVA8556SL	BLUE	5-0	75	17 mm, 1/2 Circle, Taper Point	-	12
21	ADVA8710	BLUE	5-0	75	13 mm, 1/2 Circle, Taper Point	-	12

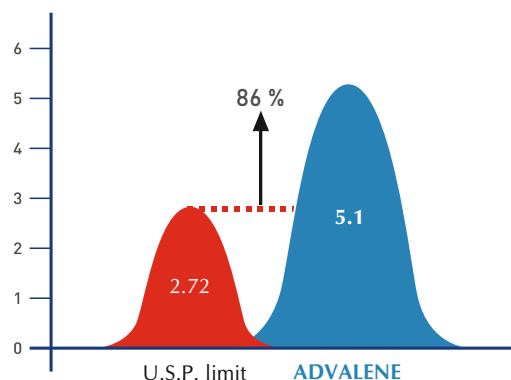
Product Description

Composition	Polypropylene
Coating	None
Sizes	U.S.P. Size 1 to 5-0
Colour	Blue
Absorption Profile	Permanent
Needle Availability	A wide variety of Round Bodied (Taper Point), Ball Point, Cutting, Taper Cut, Trocar, Reverse Cutting, Blunt Point, Oval Round Bodied, Diamond Point & Sternum Reverse Cutting

Tensile Strength

86% more knot pull tensile strength than U.S.P. limit ensures knot security

Knot pull tensile strength (KgF)¹



REFERENCE _____

1 : Data on file with AMS - Bench test done on Polypropylene U.S.P. size 1, 40 mm Round bodied needles

Monofilament Material



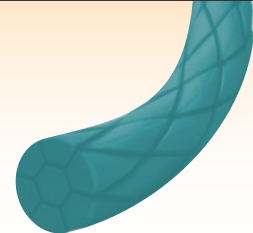
Blue



ADVABOND

Polyester White (Undyed) & Green

Braided Coated Non Absorbable Surgical Suture



Product Description

Sr. No.	Double Arm Code	Suture			Needle		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
1	ADVA6763	GREEN	2-0	75	20 mm, 1/2 Circle, Taper Point	-	12
2	ADVA6027	GREEN	3-0	75	20 mm, 1/2 Circle, Taper Point	-	12
3	ADVA6893S	GREEN	4-0	45	13 mm, 1/2 Circle, Taper Point	-	12
4	ADVA6022	GREEN	5-0	45	8 mm, 1/4 Circle, Spatula Micro Point	-	12

Product Description

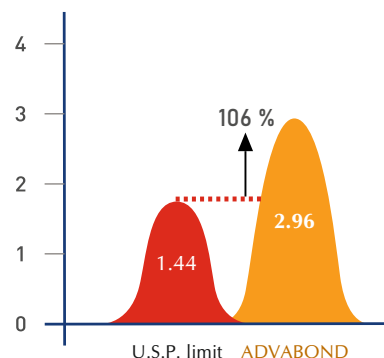
Composition	Polyethylene Terephthalate
Coating	Silicone
Sizes	Size 5 to 5-0
Color	White (Undyed) & Green
Absorption Profile	Non-Absorbable
Needle Availability	A wide variety of Round Bodied (Taper Point), Ball Point, Cutting, Reverse Cutting, Taper Cut, Blunt Point, Oval Round Bodied, Diamond Point & Spatula Micro Point needles

Tensile Strength

ADVABOND Suture elicits a minimal initial inflammatory reaction in tissues, which is followed by a gradual encapsulation of the suture by fibrous connective tissue.¹

No significant change in the retention of tensile strength of the suture occurs during the lifetime of the implantation.¹

Knot pull tensile strength (KgF)²



REFERENCE

- 1 : Data on file with AMS - IFU ADVABOND
- 2 : Data on file with AMS - DV done on Polyester, size - 2-0, 17 mm Round bodied needle

Multifilament Material

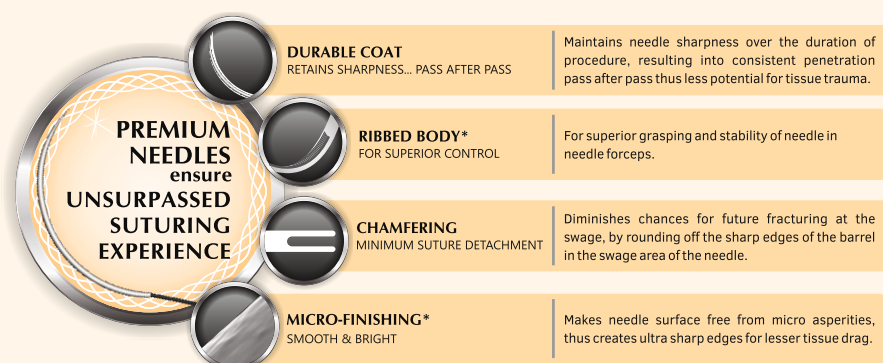


Green



White (Undyed)

Premium Needles for consistent Superior Performance



* Certain Features are common in specific needles

Minimal tissue trauma enables faster recovery



ADVALON

Polyamide

Monofilament Synthetic Non-Absorbable Surgical Suture

Ideal selection for confidence in skin closure

Product Description

Sr. No.	Code	Suture			Needle		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
1	ADVA0748	BLACK	1	150	48 mm, 1/2 Circle, Taper Point, Loop	HEAVY	12
2	ADVA3340	BLACK	0	150	40 mm, 1/2 Circle, Taper Point, Loop	-	12
3	ADVA3790	BLACK	0	75	37 mm, 1/2 Circle, Taper Point	-	12

Sr. No.	Double Arm Code	Suture			Needle		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
4	ADVA3046	BLACK	9-0	30	6 mm, 3/8 Circle, Spatula Micro Point	-	12
5	ADVA3022	BLACK	10-0	30	6 mm, 1/2 Circle, Spatula Micro Point	-	12

Product Description

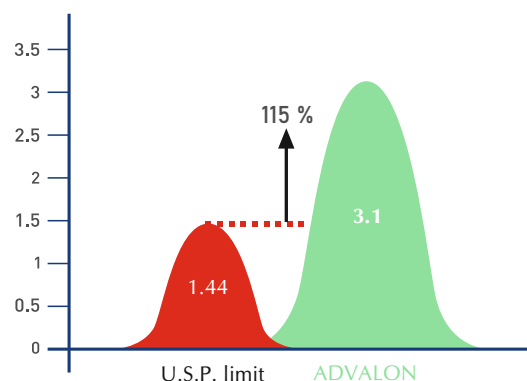
Composition	Polyamide
Coating	None
Sizes	U.S.P. Size 1 to 10-0
Colour	Black
Absorption Profile	Non-Absorbable
Needle Availability	A wide variety of Round Bodied (Taper Point), Ball Point, Cutting, Trocar, Reverse Cutting, Taper Cut, Blunt Point, Oval Round Bodied, Diamond Point & Spatula Micro Point needles

Tensile Strength

Permanent, however progressive hydrolysis of the suture in-vivo may result in gradual loss of its tensile strength over time.

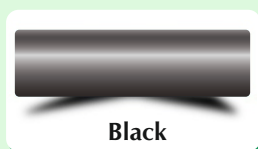
115% more knot pull tensile strength vs. U.S.P. limit ensures high tensile strength for secure retention suturing

Knot pull tensile strength (KgF)¹



REFERENCE _____
 1 : Data on file with AMS - Bench test done on Nylon, U.S.P. Size - 2-0, 45 mm Reverse cutting needle

Monofilament Material



Black

Premium Needles for consistent Superior Performance

PREMIUM NEEDLES
ensure
UNSURPASSED SUTURING EXPERIENCE

DURABLE COAT
RETAINS SHARPNESS... PASS AFTER PASS

Maintains needle sharpness over the duration of procedure, resulting into consistent penetration pass after pass thus less potential for tissue trauma.

RIBBED BODY*
FOR SUPERIOR CONTROL

For superior grasping and stability of needle in needle forceps.

CHAMFERING
MINIMUM SUTURE DETACHMENT

Diminishes chances for future fracturing at the swage, by rounding off the sharp edges of the barrel in the swage area of the needle.

MICRO-FINISHING*
SMOOTH & BRIGHT

Makes needle surface free from micro asperities, thus creates ultra sharp edges for lesser tissue drag.

* Certain Features are common in specific needles

Minimal tissue trauma enables faster recovery



ADVASYL

Proteinaceous silk fibres called fibroin

Braided Natural Non-Absorbable Surgical Suture



Exceptional control for confidence in gentle tissue approximation

Product Description

Sr. No.	Code	Suture			Needle		Units Per Box
		Colour	Size	Length (cm)	Description	Speciality	
1	ADVAW075	BLACK	0	75	-	-	12
2	ADVA5109	BLACK	0	13 X 60	-	-	12
3	ADVA222L	BLACK	3-0	75	-	-	12
4	ADVA5106	BLACK	3-0	13 X 60	-	-	12
5	ADVA5142	BLACK	0	75	26 mm, 1/2 Circle, Taper Point	-	12
6	ADVA5125	BLACK	2-0	75	25 mm, 1/2 Circle, Taper Point	-	12
7	ADVA5145	BLACK	3-0	45	25 mm, 1/2 Circle, Cutting	SLIM BLADE	12

Product Description

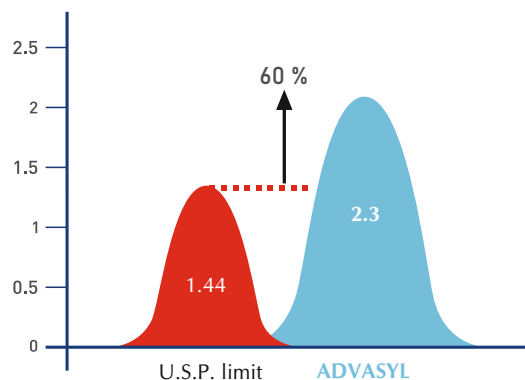
Composition	Proteinaceous silk fibres called fibroin
Coating	Wax
Sizes	U.S.P. Size 4 to 6-0 & 8-0
Colour	Black
Absorption Profile	Non-Absorbable
Needle Availability	Available as Pre-cut sutures and in wide variety of Ball Point, Cutting, Round Bodied (Taper Point), Taper Cut, Trocar, Reverse Cutting, Blunt Point, Oval Round Bodied, Spatulated Micro Point & Diamond Point

Tensile Strength

Permanent however gradual loss in tensile strength over a period of time.

60% more knot pull tensile strength than U.S.P. limit ensures knot security

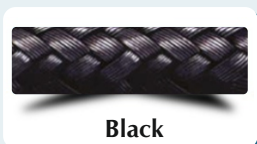
Knot pull tensile strength (KgF)¹



REFERENCE

1 : Data on file with AMS - Bench test done on Silk U.S.P. Size - 2-0, 45 mm Reverse cutting needle

Multifilament Material



Black

Premium Needles for consistent Superior Performance

PREMIUM NEEDLES
ensure
UNSURPASSED SUTURING EXPERIENCE

DURABLE COAT
RETAINS SHARPNESS... PASS AFTER PASS

Maintains needle sharpness over the duration of procedure, resulting into consistent penetration pass after pass thus less potential for tissue trauma.

RIBBED BODY*
FOR SUPERIOR CONTROL

For superior grasping and stability of needle in needle forceps.

CHAMFERING
MINIMUM SUTURE DETACHMENT

Diminishes chances for future fracturing at the swage, by rounding off the sharp edges of the barrel in the swage area of the needle.

MICRO-FINISHING*
SMOOTH & BRIGHT

Makes needle surface free from micro asperities, thus creates ultra sharp edges for lesser tissue drag.

* Certain Features are common in specific needles

Minimal tissue trauma enables faster recovery



Advanced MedTech Solutions

Corporate HQ: P-21-22, 25-26 & 34-35, GIDC Manjusar, tal - Savli, Dist. - Vadodara - 391775, Gujarat, India
T: +91 2667 271302 | E: info@amsltd.com | amsltd.com