

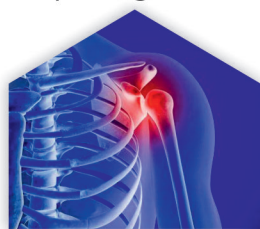


Dare to Fly.....

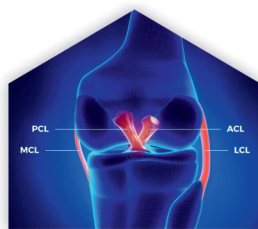
ULTRANET[®] FIBER

UHMWPE NON-ABSORBABLE SUTURE

Ultraset Fiber is a Ultra High Molecular Weight Polyethylene suture. The suture is 5 times stronger than Steel Sutures on the basis of W/W. The basic long chain structure of Polyethylene provides high endurance and strength in demanding attachments and closures of muscular and bony structures.⁽¹⁾⁽³⁾ The lubricious design provides the ease to snug down the knot smoothly and securely. The exquisite braiding of a blue tracer with white fiber gives better visibility, smooth handling and abrasion free suture passage.⁽²⁾⁽⁴⁾



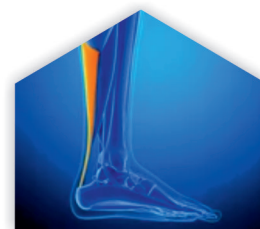
ROTATOR CUFF



ACL/PCL⁽²⁾



STERNUM CLOSURE⁽⁵⁾



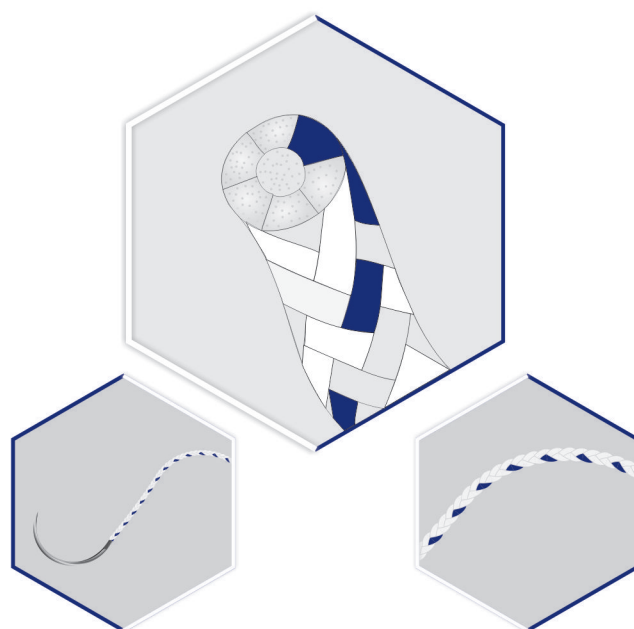
ACHILLES TENDON⁽³⁾

CHARACTERISTICS

- Developed From Ultra High Molecular Weight Polyethylene.
- Ultraset Fiber is a white color suture with a blue tracer for better visibility.
- Ultraset Fiber is a high strength braided suture with high tensile strength much greater than steel suture.
- Ultraset Fiber has a sturdy core within the center of the suture to act as a backbone for better knot tying and handling characteristics.
- Ultraset Fiber is a highly flexible sturdy suture material with strong abrasion resistance.⁽¹⁾⁽³⁾

REFERENCE STUDIES

- A Comparison between the Mechanical Behaviour of Steel Wires and Ultra High Molecular Weight Poly Ethylene Cables for Sternum Closure Roelof Marissen^{1,2}, Mischa Nelis², Mildred Janssens², Michelle D. M. E. Meeks³, Jos G. Maessen³
- Biofunctionalization of UHMWPE polymer and its application in Anterior Cruciate Ligament reconstruction Sonia B. Wahed, Colin R. Dunstan, Philip A. Boughton, Andrew J. Ruys*
- Biomechanical comparison of two suturing, techniques during Achilles tendinoplasty in dogs: preliminary results B. Goin, P. Buttin, T. Cachon & E. Viguier.
- Strength of Damaged Suture: An In Vitro Study, Patrick B. Wright, M.D., Jeffrey E. Budoff, M.D., Ming Long Yeh, Ph.D., Zachary S. Kelm, B.S., and Zong-Ping Luo, Ph.D.
- Novel Sternum Closure Technique Using Ultra High Molecular Weight Polyethylene Sutures [Article in Japanese] Takashi Ando¹, Daichi Akiyama, Hiroshi Okada, Hiroshi Furukawa, Makoto Takeda



INDICATIONS

Ultraset Fiber is a high strength fiber suture specially designed for tendon, bone and ligament – bone attachment surgeries.

SURGICAL SPECIALITIES

- ORTHOPAEDIC
- SPORTS INJURY⁽³⁾
- CARDIAC⁽¹⁾

CODE	NEEDLE PROFILE	NEEDLE LENGTH	SUTURE SIZE	SUTURE LENGTH
UF 7001	1/2 Circle Taper Cutting	23mm	2-0	90cm
UF 7001A	Without Needle	—	2-0	90cm
UF 7002	1/2 Circle Taper Cutting	23 mm	2	90cm
UF 7003	1/2 Circle Cutting	37mm	2	90cm
UF 7004	1/2 Circle Cutting	48mm	5	90cm