

Surgical Innovation | Customer Driven

PEEK CF is made of PEEK-OPTIMA™ (by Invibio) combined with 30% Carbon Fiber filler. The compound is comprised of short Carbon Fibers that are dispersed within a PEEK-OPTIMA polymer matrix.

The resulting material has enhanced physical strength, nearly twice as much as natural PEEK, and has mechanical characteristics much closer to cortical bone than natural PEEK, PLLA or Titanium. The added mechanical strength in PEEK CF plays a key role in addressing the challenges of insertion torque in screw-in devices such as suture anchors and interference screws.

Although this material has been successfully used in the spine and dental industries for over ten years, **Parcus Medical is the first to make implantable products using PEEK CF for the Sports Medicine industry.**

If questions about absorption rates, soft tissue reaction, stress shielding and imaging artifact raise concerns about the biomaterial you select, consider PEEK CF. It is 100% inert to minimize biocompatibility issues. PEEK CF has a modulus close to cortical bone to reduce stress shielding, is radiolucent, and MR safe.

The PEEK CF Difference

- **Strong** and biocompatible
- **Radiolucent**, less imaging artifact, MR safe
- **Twice as strong** as the PEEK material used in other suture anchors
- **Mechanical properties** closer to cortical bone than titanium or biocomposites

THE PARCUS
PEEK CF
DIFFERENCE



Parcus, the Latin word for economical, was born from the drive for innovation and creativity, while remaining mindful of the need for efficiency and flexibility.

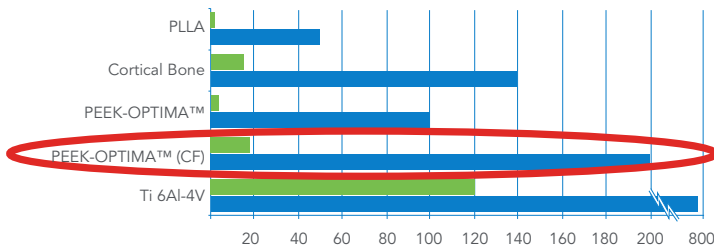
At Parcus, surgical innovation is customer driven.

Parcus PEEK CF . . . in a league of its own.

- Bone-like stiffness reduces the occurrence of stress shielding while enhancing bone healing. The stress that would normally be placed on the bone does not concentrate in the implant and, therefore, bone absorption is less likely to occur, leading to better long term fixation.
- Closer mechanical properties to cortical bone than titanium or biocomposites

- 100% inert to avoid allergic reactions
- 2X stronger than natural PEEK materials used in most suture anchors
- Proven biocompatibility to ensure safe long-term implantation
- Easily removable in revision surgeries
- Radiolucent on X-rays and CT Scans and is MR safe – less imaging affect

PEEK CF Strength & Stiffness Comparison



	Ti 6Al-4V	PEEK-OPTIMA (CF)	PEEK-OPTIMA	Cortical Bone	PLLA
Elastic Modulus GPa	120	18	3.5	15	2
Tensile Strength MPa	790	200	100	139	50

PEEK CF Push-In Suture Anchors

Part #	Description
10323T	3.5mm PEEK CF Push-In Suture Anchor w/Two #2 Parcus Braid: Blue & White/Green
10407	3.5mm PEEK CF Push-In Suture Anchor w/Two #2 Parcus Braid: Blue & White/Green, w/Needles: MO-6, Short Length

Knotless PEEK CF Push-In Suture Anchors

Part #	Description
10312	28 Knotless PEEK CF Push-In Suture Anchor w/Driver, w/Suture Passer
10994	35 Knotless PEEK CF Push-In Suture Anchor w/Driver, w/Suture Passer
10313	35 Knotless PEEK CF Push-In Suture Anchor w/Suture Passer
10314	45 Knotless PEEK CF Push-In Suture Anchor w/Suture Passer
10315	55 Knotless PEEK CF Push-In Suture Anchor w/Suture Passer

Knotless PEEK CF Push-In Suture Anchor, Hip Length

Part #	Description
10312H	28 Knotless PEEK CF Push-In Suture Anchor w/Driver, w/Suture Passer, Hip Length

V-LoX™ PEEK CF Screw-In Suture Anchors

Part #	Description
10253T	5.5mm V-LoX™ PEEK CF Screw-In Suture Anchor w/Two #2 Parcus Braid: Blue & White/Green
10253	5.5mm V-LoX PEEK CF Screw-In Suture Anchor w/Two #2 Parcus Braid: White/Blue & White/Black
10254T	6.5mm V-LoX PEEK CF Screw-In Suture Anchor w/Two #2 Parcus Braid: Blue & White/Green
10263	5.5mm V-LoX PEEK CF Screw-In Suture Anchor w/Two #2 Parcus Braid: White & White/Blue, w/Needles: MO-6
10264	6.5mm V-LoX PEEK CF Screw-In Suture Anchor w/Two #2 Parcus Braid: White & White/Blue, w/Needles: MO-6

V-LoX³ PEEK CF Screw-In Suture Anchors

Part #	Description
10324T	5.5mm V-LoX³ PEEK CF Screw-In Suture Anchor w/Three #2 Parcus Braid: Blue, White/Green & White/Black
10325T	6.5mm V-LoX³ PEEK CF Screw-In Suture Anchor w/Three #2 Parcus Braid: Blue, White/Green & White/Black

PEEK CF Interference Screws

Part #	Description
10021	7mm x 20mm PEEK CF Interference Screw
10022	7mm x 25mm PEEK CF Interference Screw
10023	7mm x 20mm PEEK CF Interference Screw
10024	7mm x 35mm PEEK CF Interference Screw
10025	8mm x 20mm PEEK CF Interference Screw
10026	8mm x 25mm PEEK CF Interference Screw
10027	8mm x 30mm PEEK CF Interference Screw
10028	8mm x 35mm PEEK CF Interference Screw
10029	9mm x 20mm PEEK CF Interference Screw
10030	9mm x 25mm PEEK CF Interference Screw
10031	9mm x 30mm PEEK CF Interference Screw
10032	9mm x 35mm PEEK CF Interference Screw
10034	10mm x 25mm PEEK CF Interference Screw
10035	10mm x 30mm PEEK CF Interference Screw
10036	10mm x 35mm PEEK CF Interference Screw
10166	11mm x 25mm PEEK CF Interference Screw
10167	11mm x 30mm PEEK CF Interference Screw
10168	11mm x 35mm PEEK CF Interference Screw
10038	12mm x 25mm PEEK CF Interference Screw
10039	12mm x 30mm PEEK CF Interference Screw
10040	12mm x 35mm PEEK CF Interference Screw