

What is Parcus PEEK CF?

PEEK CF is made of PEEK-Optima™ (by Invibio™) combined with 30% carbon fiber fill. The compound is comprised of short carbon fibers that are dispersed within a PEEK-Optima™ polymer matrix. The carbon fibers are encapsulated within the PEEK CF Polymer.

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**

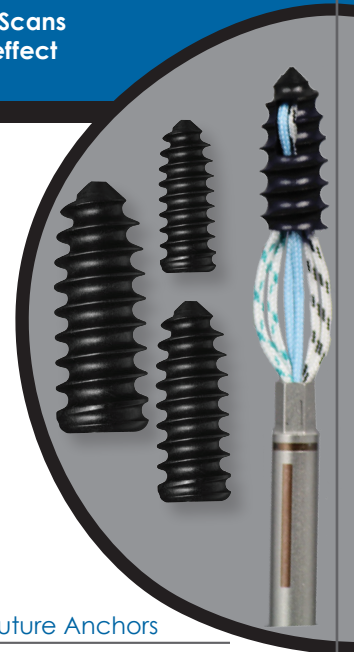
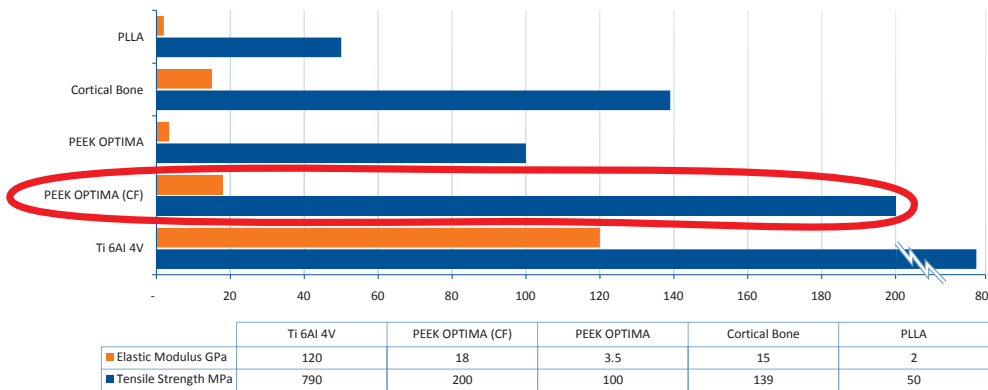
Parcus, the Latin word for economical, was born from the drive for innovation and creativity, while remaining mindful of the need for efficiency and flexibility. At Parcus, **surgical innovation is value driven.**

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

The Parcus PEEK CF Advantage

- 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 resorption 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 effect

PEEK CF Strength & Stiffness Comparison



Series 3 PEEK CF Suture Anchors

Part #	Item Description
10323T	35 w/Suture Push-In w/ 2 Parcus Braid™ Sutures (blue, white/green)
10313	35 Knotless Push-In (provided with a Suture Passer)

Knotless PEEK CF Suture Anchors

Part #	Item Description
10312	28 Knotless Push-In (provided with a Suture Passer)
10313	35 Knotless Push-In (provided with a Suture Passer)
10314	45 Knotless Push-In (provided with a Suture Passer)
10315	55 Knotless Push-In (provided with a Suture Passer)

V-LoX™ PEEK CF Double Loaded Suture Anchors

Part #	Size
10253	5.5mm V-LoX w/ 2 Parcus Braid™ Sutures (white/blue, white/black)
10253T	5.5mm V-LoX w/ 2 Parcus Braid™ Sutures (blue, white/green)
10254T	6.5mm V-LoX w/ 2 Parcus Braid™ Sutures (blue, white/green)
10263	5.5mm V-LoX w/ 2 Parcus Braid™ Sutures w/ Needles
10264	6.5mm V-LoX w/ 2 Parcus Braid™ Sutures w/ Needles

V-LoX³ PEEK CF Triple Loaded Suture Anchors

Part #	Size
10324T	5.5mm V-LoX ³ PEEK CF w/ 3 Parcus Braid™ Sutures (blue, white/green, white/black)
10325T	6.5mm V-LoX ³ PEEK CF w/ 3 Parcus Braid™ Sutures (blue, white/green, white/black)

PEEK CF Interference Screws

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