The World’s first Implant Grade PEEK Filament for Additive Manufacturing

VESTAKEEP® 3DF PEEK FILAMENT

Implant Grade Biomaterial for Fused Filament Fabrication (FFF)

EVONIK
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Introduction

From our 20+ year history in developing materials for additive manufacturing technologies, and our expertise in developing biomaterials for medical applications, Evonik has leveraged this vast knowledgebase to develop the worlds first PEEK filament for permanent implant medical devices.

VESTAKEEP® 3DF PEEK Filament is a polymer monofilament that's been designed specifically for the Fused Filament Fabrication (FFF) process.

With the development of VESTAKEEP® 3DF PEEK Filament, Evonik continues to expand our broad portfolio of polymer materials for additive manufacturing and biomaterials for medical applications.

VESTAKEEP® 3DF PEEK Filament

Implant Grade Biomaterial for Fused Filament Fabrication (FFF)

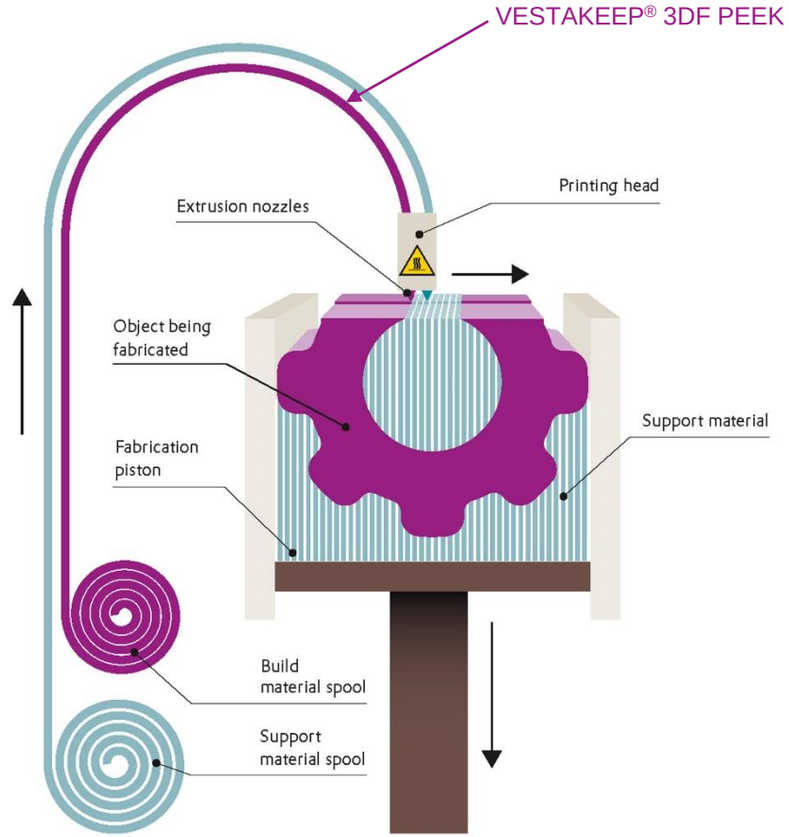
Based on VESTAKEEP® PEEK i4G:

A high performance implant grade biomaterial adopted globally for application in orthopedic implants.

- biocompatible, biostable, and radiolucent
- modulus similar to cortical bone
- sterilization durable

Potential application areas for VESTAKEEP® 3DF Filament

- Cranial implants
- Spinal cages
- Fusion plates
- Osteotomy wedges
- Drill & cutting guides



Fused Filament Fabrication (FFF) Process

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VESTAKEEP® 3DF PEEK Filament

Implant Grade Biomaterial for Fused Filament Fabrication (FFF)

VESTAKEEP® 3DF Filament

Implant grade PEEK filament Based on VESTAKEEP ® PEEK i4G

Developed specifically for the Fused Filament Fabrication (FFF) process

VESTAKEEP® 3DF-T Filament

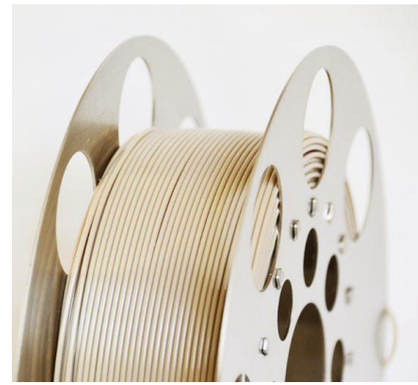
A technical grade of VESTAKEEP® 3DF Filament for testing and early evaluation of printing behavior and results

Product Details

Filament diameter: 1.75mm

Provided in Spool form

Filament spool lengths:
66m or 166m



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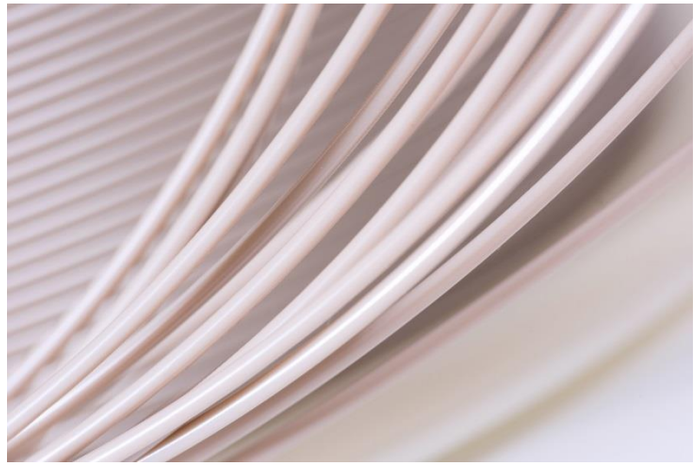

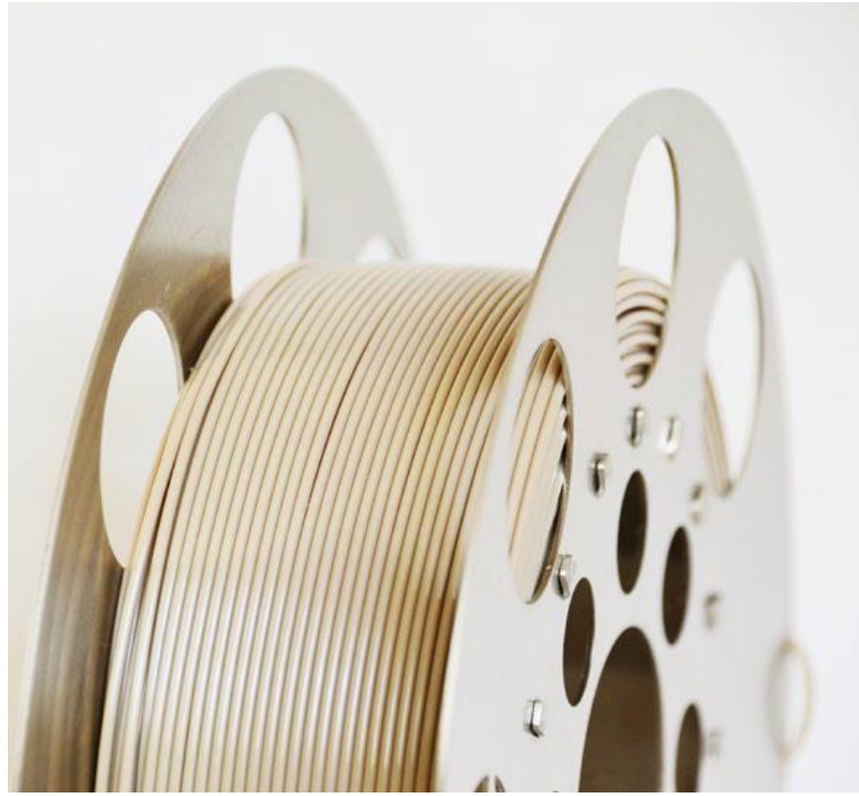

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