

SUSTAPEEK CM CF 30 and SUSTAPEEK CF 30 PEEK with carbon fibre reinforcement

With SUSTAPEEK CM CF 30 and SUSTAPEEK CF 30 we provide you pressed and extruded PEEK with **30 percent carbon fibre reinforcement**. Both high-performance plastics differ to a non-reinforced PEEK natural through their:

- **high E-module** (graphic)
- outstanding ratio of minimal density to high rigidity
- electrical conductivity



High modulus of elasticity: Pressed SUSTAPEEK CM CF 30 sheets have a modulus of elasticity of 10,000 MPa

Properties

- Great strength and rigidity with minimal density
- Electrostatically conductive
- Outstanding dimensional stability
- Continuous operating temperature of up to 250° C
- Flame-retardant (UL 94 V0)
- Easy to process: manufactured using a pressing method, SUSTAPEEK CM CF 30 has **very low internal stress** which allows you to work with the material within tight tolerances.

Areas of application

Both materials are particularly suitable for applications where components have to withstand high mechanical loads continuously and conduct electricity. Typical applications include:

- Oil & gas industry
- Electrical industry
- Semiconductor industry
- Motorsport
- Aerospace industry

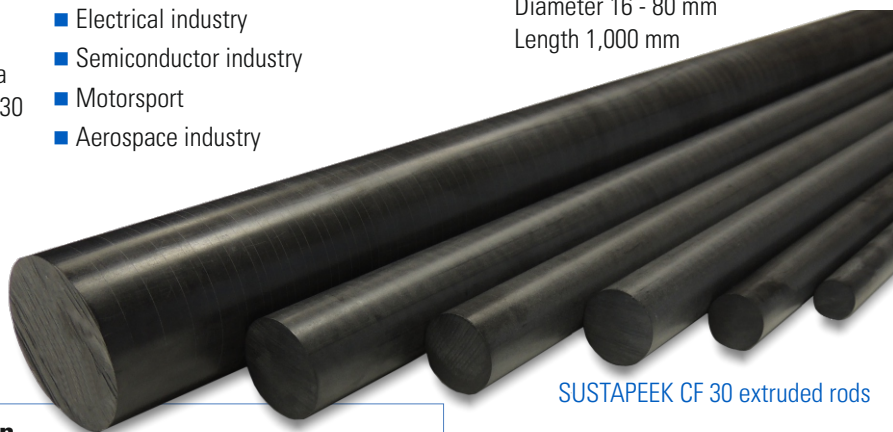
Product range

SUSTAPEEK CM CF 30:

- Pressed sheets: 395 x 395 mm thicknesses of 6 - 50 mm

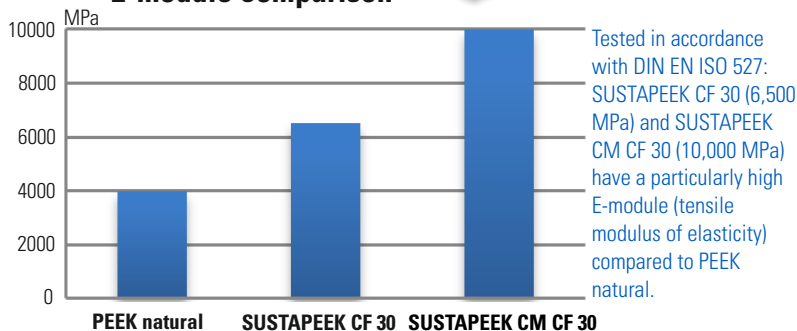
SUSTAPEEK CF 30

- Extruded rods: Diameter 16 - 80 mm Length 1,000 mm



SUSTAPEEK CF 30 extruded rods

E-module comparison



Contact

We would be happy to advise you on the properties and possible applications of SUSTAPEEK CF 30 and SUSTAPEEK CM CF 30.

Please write to:

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