

SustaPEEK CM CF 30 and SustaPEEK CF 30

PEEK with carbon fibre reinforcement

With SustaPEEK CM CF 30 and SustaPEEK CF 30, Röchling provides pressed and extruded PEEK with 30 per cent carbon fibre reinforcement.

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

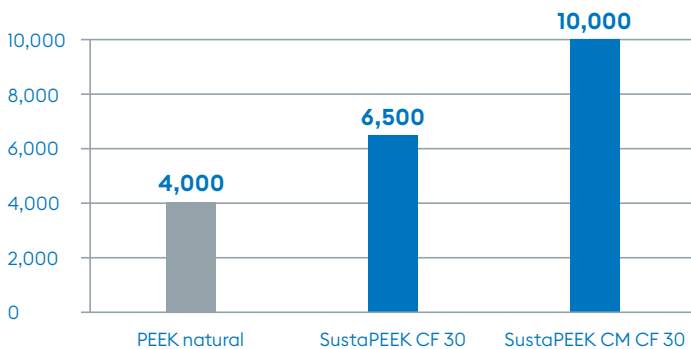
Both materials are particularly suitable for applications where components have to continuously withstand high mechanical loads and conduct electricity.

Typical applications include:

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

E-module comparison

MPa



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

Product range

SustaPEEK CM CF 30

Pressed sheets

Dimensions: 395 x 395 mm | Thicknesses: 6–80 mm

SustaPEEK CF 30

Extruded rods

Diameter: 16–80 mm | Length: 1,000 mm

Storage program

Pressed sheets

Dimensions: 395 x 395 mm

Thicknesses: 6, 7, 8, 10, 12, 14, 16, 20, 30, 40, 50, 60 mm

Extruded rods

Length: 1,000 mm

Diameter: 20, 25, 30, 40, 50, 60, 80 mm

SustaPEEK CF 30 extruded rods

Tested in accordance with DIN EN ISO 527: SustaPEEK CF 30 (6,500 MPa) and SustaPEEK CM CF 30 (10,000 MPa) have a particularly high E-module (tensile modulus of elasticity) compared to PEEK natural.

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 or call:

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