

## For lighter vehicles with better performance High performance plastics for motorsports

In motorsports, materials have to meet the very highest requirements. Drivers can compete at the top only if their vehicles constantly show **high performance** and resilience.

We offer a large selection of high performance plastics with and without carbon or glass fibre reinforcement for the construction of motorsport vehicles. In comparison to conventional materials such as metals used in motorsports, they offer

- **low weight** with high strength and toughness, and
- high dimensional stability even at **high temperatures**.

This allows you to construct

- **lighter** vehicles
- offering high performance and
- **improved fuel efficiency**

### Materials

Depending on the application, optimum results can be achieved in motorsports with a range of different materials. Our proven materials include:

- SUSTAPEEK
- SUSTAPEEK CF 30 / GF 30 / MOD
- SUSTAPEEK CM CF 30 **NEW**
- SUSTASON PPSU
- SUSTATRON PPS/MOD
- SUSTAPEI
- PTFE

Further materials on request. We are happy to advise you on the selection of suitable materials for your application.

### Production range

Depending on the material:

- Compression moulded and extruded sheets
- Rods, tubes
- CNC-machined components



Proved materials: We support KA Racing from the Karlsruher Institute of Technology with material and guidance of our high-performance plastics

### New: SUSTAPEEK CM CF 30

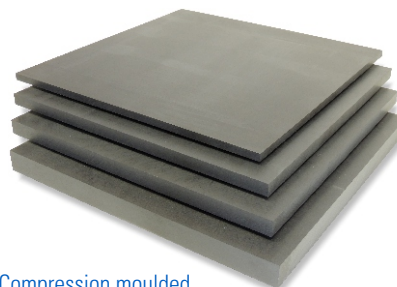
The newly developed material **SUSTAPEEK CM CF 30** is a carbon fibre reinforced PEEK produced by compression moulding. With a **modulus of elasticity** of 10,000 MPa (see chart) and an excellent combination of low density and high stiffness, this material is ideal for meeting the high demands of motorsports.

#### Properties:

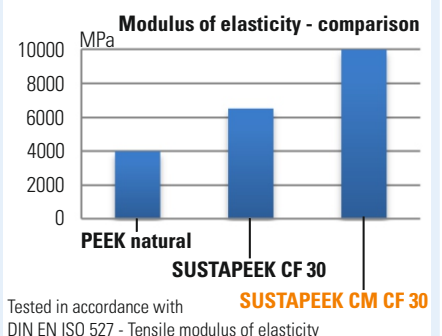
- low density and high stiffness
- flame-resistant (UL 94 V0)
- excellent dimensional stability
- Cont. Operating temperature up to 250° C

### Applications

Typical components made from our materials include bearing cages, friction bearings, housings, mounting elements, covers, insulation parts, throttles



Compression moulded sheets made of SUSTAPEEK CM CF 30



Sheets made of SUSTAPEEK

### Contact

Please do not hesitate to contact us if you would like detailed consultation regarding the properties and applications of our materials in motorsports.

**Please Write to:**  
[sales@seplastic.com](mailto:sales@seplastic.com)