

PEEK CF30 Ultimate

Product Datasheet

Reinforced with carbon fibre

PEEK CF30 Ultimate (30% carbon fibre) offers the same characteristics as PEEK 450G with additional performance benefits

For example, PEEK CF30 Ultimate offers high mechanical strength and rigidity when compared to PEEK 450G. The material provides even higher creep resistance and the dimensional stability of the plastic is also very high. The expansion of the product under any change in temperature is low. As the plastic is reinforced with carbon fibre, it will require tipped tooling during machining.

As with all our Ultimate plastic products, Smiths High Performance provides material which gives racing car teams design options which would otherwise be unavailable.



Characteristics

- Low co-efficient of thermal expansion
- High mechanical strength and rigidity
- Very high dimensional stability
- Higher creep resistance
- Low abrasion due to fibre particle size
- Higher heat conductivity/dissipation

Applications

- Barrel throttle for controlling air flow
- Thrust washers
- Heat resistant front end accessory drives (FEAD)
- Seals for mechatronic and lubrication systems
- Valve components
- Electrical components
- Chassis components

About Smiths High Performance

Smiths High Performance is a leading stockholder and supplier of high performance engineering materials to the global motorsport sector. We are supply partners in a range of specialist motorsport markets including Formula 1, Formula E, NASCAR, MOTO GP, WEC & WRC.