

Ketron™ FK 1000 FG PEEK

General-purpose, resin-
specified PEEK material grade

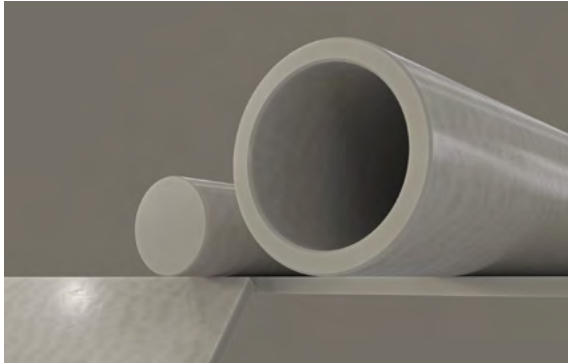


Resin specification for PEEK components in challenging industrial environments

PEEK (polyether-ether-ketone) plastics are successfully used in a variety of demanding industrial applications worldwide. The quality of the raw material processing and further machining of the finished components is just as important as the selection and specification of the raw material itself.

A PEEK resin specification is important because it describes the exact properties of a PEEK material, including mechanical strength, thermal stability, chemical resistance and other critical characteristics that are essential for selecting the right type of PEEK for a particular application. This is particularly important in demanding environments where high temperatures, aggressive chemicals or significant stresses occur. The raw material specification is therefore a key factor in the performance and reliability of a component made from PEEK.





Ketron™ FK 1000 FG PEEK – Resin-specified PEEK

Mitsubishi Chemical Group (MCG) is a globally leading manufacturer of high-performance thermoplastic PEEK stock shapes used in the most challenging industrial engineering environments. Next to a broad range of engineering PEEK materials, MCG now offers a PEEK product that comes with reliable and consistent physical properties based on a specified resin type. Products come with full traceability and certification on batch numbers. Ketron™ FK 1000 FG PEEK is made with Victrex 450G™ resin.

Ketron™ FK 1000 FG PEEK (Food Grade) is a EU 10/2011 and FDA compliant, unfilled general purpose grade that offers the highest elongation and toughness of all materials in the PEEK family. Ideal for instrument and seal components, where ductility and inertness are critical, Ketron™ FK 1000 FG PEEK shapes are known for their ability to fit within a variety of applications and industries.

Application examples

Multi-purpose PEEK product for all applications that require resin specification. Examples:



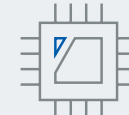
Energy

- sealings, bearings and wear parts in deep-sea oil and gas wells
- sliding and wear parts in on- and off-shore wind turbines



Medical

- medical devices for short-term body contact with high chemical resistance



Semiconductor & Electronics

- high-precision and high-temperature components in semiconductor plants



Aerospace




- multiple interior, functional and system applications in aircraft and space applications

Product characteristics

Ketron™ FK 1000 FG PEEK

- Victrex 450G™ resin-specified PEEK with reliable and consistent physical characteristics
- Food Grade and EU 10/2011 and FDA Compliant
- Can assist food & beverage processors in replacing metal parts
- Unfilled, general-purpose grade with unique combination of properties
- Offers highest elongation and toughness of all materials in the PEEK family
- Ideal for applications where ductility and inertness are critical
- Fits within a variety of applications and industries
- Excellent chemical resistance
- Steam and wear resistant

Available geometries

 Rods	diam. 6-200 mm, length 1000 and 3000 mm
 Tubes	outer diam. 50-300 mm
 Plates	thickness 6-60 mm, widths 615 and 1000 mm

Please consult us for more dimensions and stock availability.

Get in touch

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