

## Datasheet

### Polyetheretherketone

RS Stock number 514-748



Chemical Designation: Polyetheretherketone

DIN Abbreviation: PEEK

Colour, Filler: Beige

TECAPEEK is a semi-crystalline, high performance thermoplastic for very demanding applications.

#### Main characteristics:

- High thermal mechanical bearing strength
- Creep resistant
- Very tough
- Good chemical resistance
- Hydrolysis resistant, even against super heated steam
- Good sliding properties
- Wear resistant
- Electrically insulating
- Good machinability
- High resistance to gamma radiation
- Low emissions in vacuum



**Preferred fields:**

Mechanical and automotive engineering, nuclear and vacuum technology, textile, packaging and paper processing machinery, electronic and electrical engineering, food processing and medical technology, chemical industry, aircraft and aerospace industries, semi conductor technology

**Applications:**

- Gears
- Wear strips
- Bushes
- Metering pumps
- Light mountings
- Friction bearings
- Ball valve seals
- Pump housings
- Wafer supports
- Plug parts