**Key Features**
KetaSpire® PEEK and AvaSpire® PAEK
- Very high strength, stiffness and fatigue resistance
- Excellent dimensional stability
- Different levels of tensile strength and modulus according to the formulation
- Processability: typically processed by injection molding, extrusion and they can be machined
- Biocompatibility: ISO 10993 compliance certifications; USP Class VI
- Sterilization compatibility: Steam Sterilization for 18 min at 134°C (1000 cycles); Ethylene Oxide Gas (100 cycles); Vaporized Hydrogen Peroxide (200 cycles); High Energy Gamma Radiation (40 kGY)

AvaSpire® PAEK
- Comparable performance to PEEK but higher ductility
- Lower cost than PEEK
- Colorability

**Applications**
KetaSpire® PEEK and AvaSpire® PAEK are suitable for Reusable Surgical Instruments and other medical equipment components:
- Titanium rod bender (PEEK)
- Immobilization Systems for MRI
- External fixation devices (PEEK)
- Autoclavable battery housing (PAEK)
- Pliers (PAEK)
- Metal coating for electrosurgery (PEEK)

**Solution for specific customer needs**
- Neat polymer grades, glass and carbon fiber reinforced grades are available for both products
- KetaSpire® PEEK and AvaSpire® PAEK are ideal solutions for metal replacement and hybrid metal-and-plastic designs
- AvaSpire® PAEK offers easier processability and colorability at a lower cost than KetaSpire® PEEK