



## AvaSpire® PAEK

### Customized high-performance polyketones

AvaSpire® PAEK (polyaryletherketone) is a family of high-performance polyketones tailored to fill cost and performance gaps between PEEK and other high-performance polymers. For example, ductility and toughness can be significantly improved versus comparable grades of PEEK, delivering 20% higher tensile elongation at yield and doubled tensile elongation at break values.

Depending on the grade, AvaSpire® PAEK outperforms comparable grades of PEEK.

Higher stiffness from 150 °C to 190 °C (302 °F to 374 °F)  
Improved ductility and toughness  
Equal or better chemical resistance  
UL-94 V0 rating at 0.8 mm  
Comparable strength and stiffness at up to 30% lower cost  
Excellent aesthetics and colorability

**AvaSpire®**  
**PAEK**  
polyaryletherketone

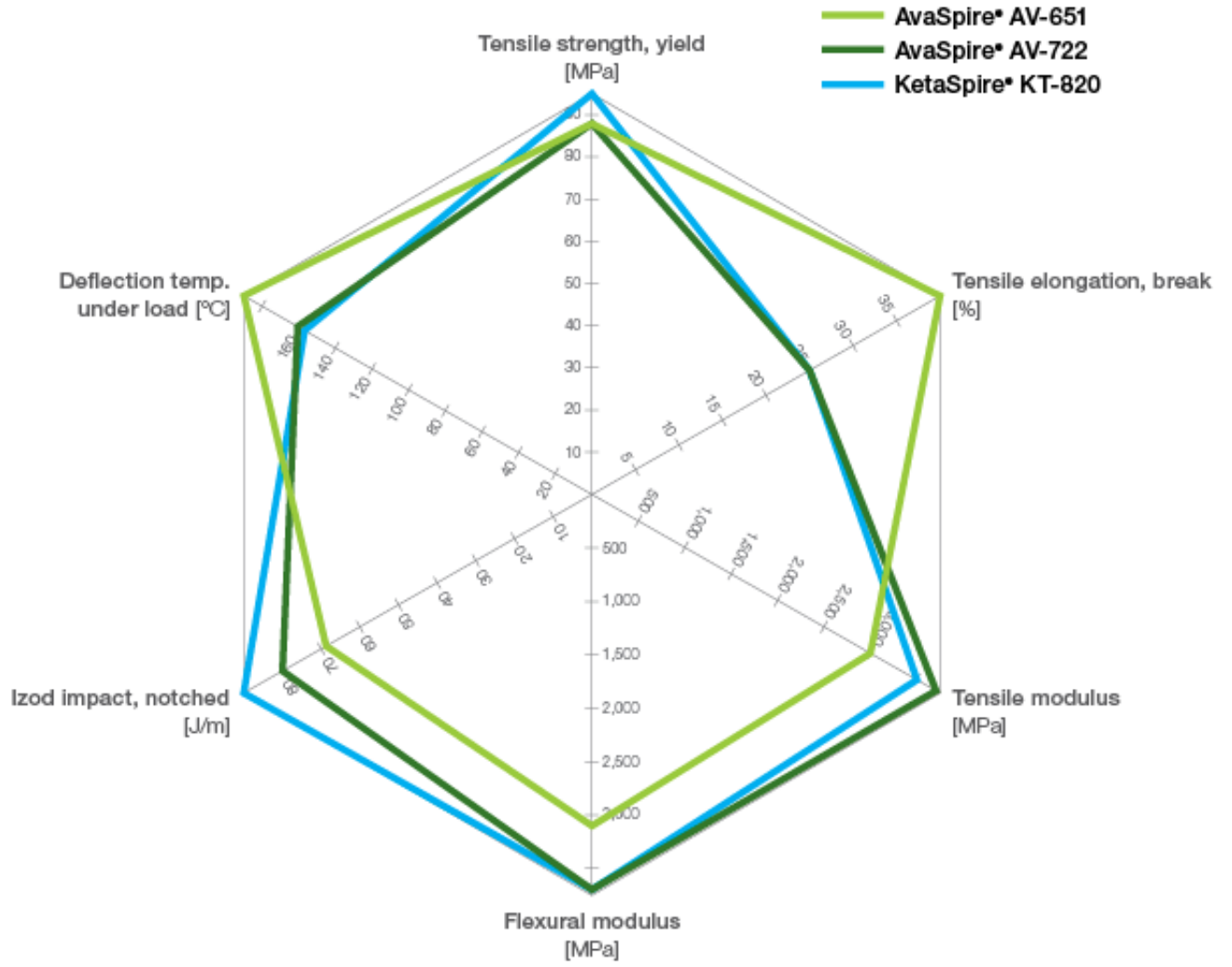
#### Choose the Performance You Need

AvaSpire® PAEK is available in:

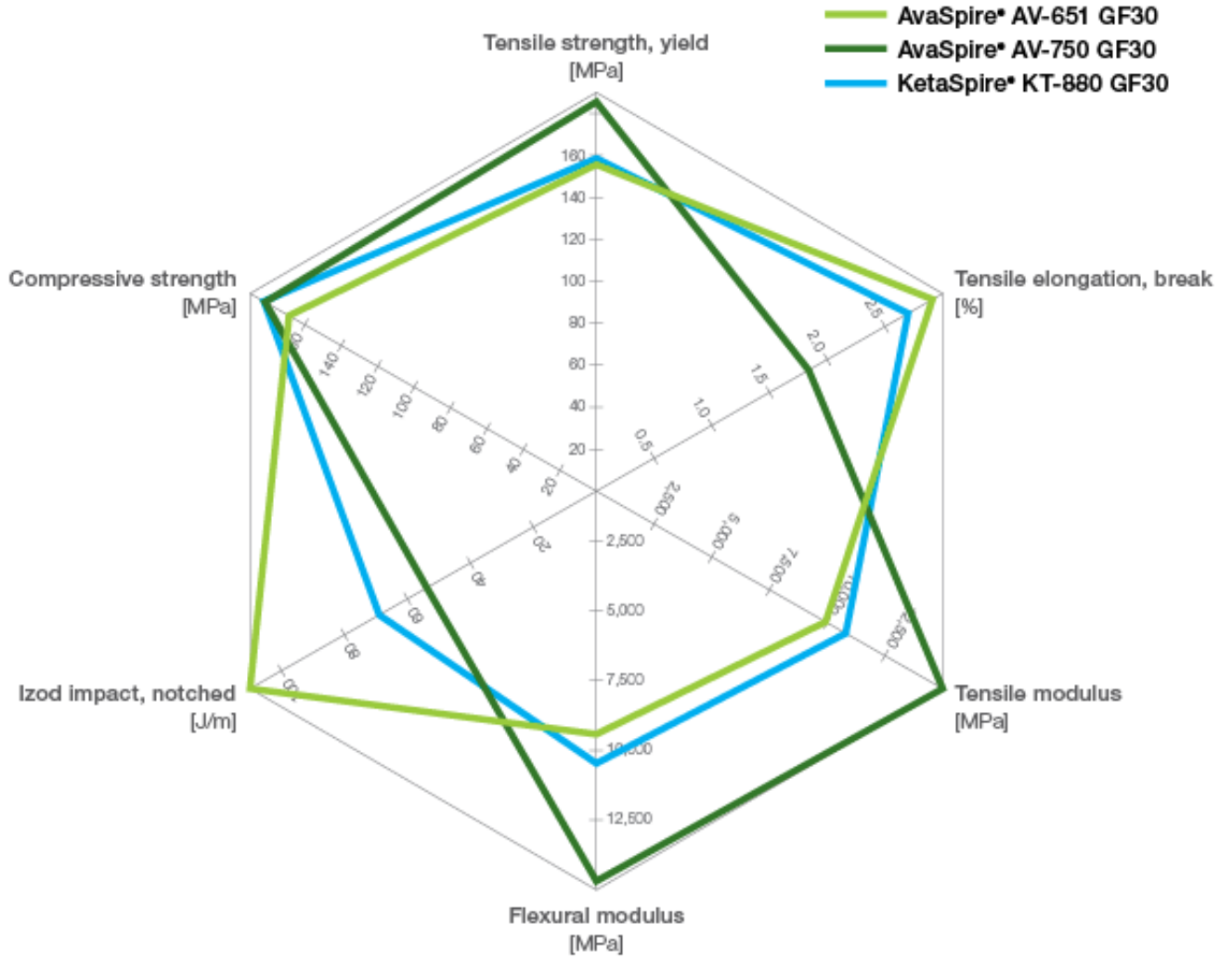
Neat grades (lubricated, non-lubricated)  
Glass fiber and carbon fiber reinforced grades (structural grades)  
Wear resistant SL grades (lubricated, non-lubricated, load bearing)

Glass fiber and carbon fiber reinforced KetaSpire® PEEK grades deliver the greater mechanical robustness required for structural applications.

### Comparison of neat grades



## Comparison of glass fiber reinforced grades



## Comparison of carbon fiber reinforced grades

