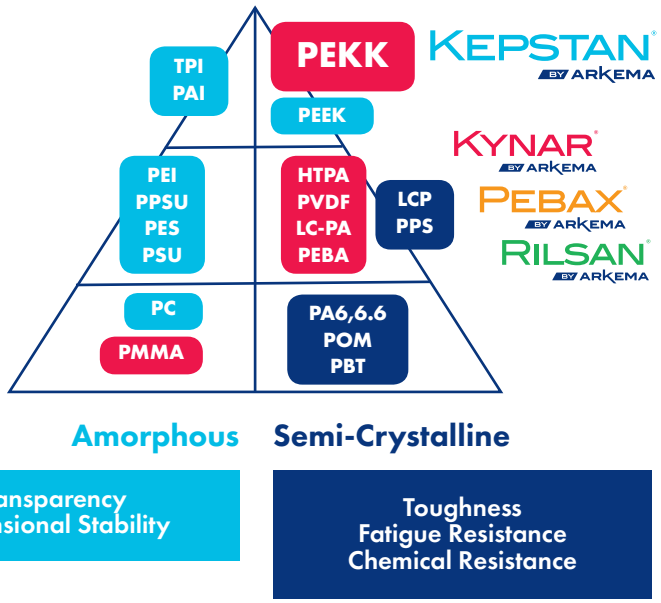
KEPSTAN® BY ARKEMA

What is Kepstan® PEKK

PEKK (Poly Ether Ketone Ketone) is a specialty semi-crystalline PAEK polymer, with extreme performances

- Very high melting point, up to +360°C
- High glass transition temperature, 160-165°C
- Very high chemical & ESC resistance
  (ESC Environmental Stress Cracking)
- Intrinsically Flame Retardant (non Halogenated)
- Low FST (Flame Smoke Toxicity)
- Stiff & Strong (Neat resin)
- Tensile modulus 3700 - 4900 MPa
- Tensile Yield Stress 115 - 135 MPa



INNOVATION IN THERMOFORMING OF PAEK

HOW

Thermoforming of semi-crystalline polymers has historically been a challenge, in particular for high temperature material such as PAEK

The combination of PEKK polymer design (ARKEMA), unique thermoforming machine (GEISS) and specific mold and forming technologies (PLASTIFORM) now makes it possible, in thin & thick gauges (up to 3 mm)

WHY

Opens up the way for flame retardant, chemically and temperature resistant PEKK products

Allows the design and the manufacturing of PEKK parts in large dimensions and in thick gauges

TARGETTED APPLICATIONS

Technical parts for insulation, EMI/RFI shielding, protection.... for electronics, medical, ASD and Railway industries

Specialty trays and packaging for electronic, medical or ASD applications

Housing and enclosures in chemically aggressive environments

GEISS® AG one step ahead

PLASTIFORM SOLUTIONS THERMOFORMEES

ARKEMA INNOVATIVE CHEMISTRY

BOOTH 6C57