Advanced-Engineered Thermoplastics Expertise

The oilfield industry requires parts that can withstand extreme environments. Greene Tweed’s focus is on PEEK- and PTFE-derived materials that deliver excellent strength and chemical resistance at extreme operating temperatures and pressures.

Used in electrical connectors, backup rings, seal assemblies and more, PEEK and PTFE materials extend life and reduce maintenance in downhole applications.

Primary Fabrication Capabilities

- Arlon® PEEK™: (Polyetheretherketone)
- Arlon® 1000: Virgin, injection molded
- Arlon® 1160: Glass-reinforced grade
- Arlon® 1260: Carbon-fiber-reinforced grade
- Arlon® 1330: Lubricated grade
- Arlon® 1555: Carbon fiber/Lubricated grade
- Arlon® 2000: PEEK-HT
- Arlon® 2400: Glass-reinforced grade of Arlon® 2000
- Arlon® 3000 XT: Virgin, injection molded, high-temperature, and extrusion-resistant grade
- Composites: Carbon/glass fiber
- Xycomp®: Polyketone, carbon fiber-placed
- Avalon®: PTFE (Polytetrafluoroethelene)

Other Available Materials

- PC (Polycarbonate)
- PAS (Polyarylsulfone)
- PEI (Polyetherimide)
- PPS (Polyphenylensulphide)
- PES (Polyethersulfone)
- PA (Polyamide Nylons)