

Polyetheretherketone

Polyetheretherketone - PEEK

PEEK is a crystalline aromatic structured high performance thermoplastic with very high temperature resistance, toughness, rigidity, creep resistance, low moisture absorption and is UL 94 VO rated. PEEK is highly resistant to solvents and exposure to radiation. PEEK is used in numerous automotive, electrical / electronics, aerospace and mechanical applications, including film for wire and cable coatings, bearings and aerospace components. There are numerous filled and specialty formulations that provide enhanced mechanical and/or wearing performance.

30% Glass Filled

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| Tensile Strength at Yield - psi: | 2.27 x 10 ⁴ |
| Dielectric Strength - V/10/3in: | 500 |
| Heat Deflection Temperature -66 psi: | 599F / 315 C |
| Elongation % at Break: | 2 |
| Comparative Cost : | Very High! |