



Standard PEEK

Key Features

Heat resistance • Chemical resistance • Strength • Flame retardancy

Applications

End-use parts • Aerospace • Automotive • Electronics

Product Description

PEEK (polyetheretheretherketone) is renowned as one of the highest performing polymers globally. This filament boasts exceptional mechanical, thermal, and chemical resistance properties, making it ideal for the most demanding applications. Additionally, it is UL 94 V-0 rated for flame retardancy (1.5 mm).

Properties

| | |
|------------------------------|------------------------|
| Tensile modulus | 3,720 MPa |
| Tensile strength | 100 MPa |
| Tensile elongation | 28% |
| Flexural strength | 130 MPa |
| Flexural modulus | 2,700 MPa |
| Glass transition temperature | 143°C |
| Softening temperature | 140°C |
| Density | 1.30 g/cm ³ |
| Flame retardancy | UL 94 V-0 @1.5mm |

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

