

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.

