



# PEEK glass-filled

## Alternative Designations

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## Key Features

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Stiff • Durable • Resistant against chemicals • Heat-resistant

## Description

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PEEK glass-filled material is a type of plastic that is reinforced with glass fibers. It is strong and stiff, making it ideal for applications where these properties are desired. It is also resistant to heat and chemicals, making it a good choice for use in hostile environments. This material can be used in a variety of applications, including medical devices, automotive parts, and electrical components.

## Mechanical Properties

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Tensile modulus	6205.2 MPa
Tensile strength	103.4 MPa
Elongation at break	3%
Flexural strength	193 MPa
Flexural modulus	6.89 GPa

## Thermal Properties

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Melting temperature (20°C/min)	340°C
Heat deflection temperature (1.80 MPa)	315°C

## Physical Properties

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Density	1.55 g/cm <sup>3</sup>
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## Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Materialdatacenter.com](https://Materialdatacenter.com) for further information on this material.