

Vestakeep® PEEK

High-Performance Polyetheretherketone from Evonik Degussa

Vestakeep® PEEK Polyetheretherketone



Vestakeep® PEEK is a semi-crystalline thermoplastic that can be melt processed by Injection Molding, Compression Molding, and Extrusion. Professional Plastics Vestakeep® PEEK Resins for Injection-Molding & Compression Molding. PEEK is best known for the following properties: Chemical & environmental inertness, Heat resistance, High heat deflection temperature, Dimensional stability due to low water absorption, High hardness & abrasion resistance, Good strength at elevated temperatures, Good electrical properties, Good radiation resistance & Inherent flame resistance.

Vestakeep® Grades (Note: Resins are sold in full cartons only):

- **Vestakeep® 4000 G** - high-viscosity, low-flow base grades for products such as gear parts, parts used in medical technology, and films, sheets, and semi-finished products (similar to the Victrex 450G)
- **Vestakeep® 2000 CF30** - medium-viscosity compounds with increased rigidity - injection molding - contains 30% carbon fibers
- **Vestakeep® 2000 GF30** - medium-viscosity, glass fibre-reinforced compound with increased rigidity used in the construction of machinery, apparatuses and aircraft and in the electrical industry
- **Vestakeep® 2000 G** - medium-viscosity, easy-flow base grades for products such as gear parts, parts used in medical technology, and films, sheets, and semi-finished products (similar to the Victrex 150G)
- **Vestakeep® 4000 CF30** - carbon fiber-reinforced molding compounds with increased or high rigidity, partially low-warpage, e.g., for housing parts
- **Vestakeep® 4000 GF30** - glass fiber-reinforced molding compounds with increased or high rigidity, partially low-warpage, e.g., for housing parts
- **Vestakeep® 4000 FP** - medium- to high-viscosity, unreinforced polyether ether ketone fine powders used as base material or mixed with various additives for compression molding
 - Vestakeep® is a registered trade name of Evonik Degussa AG.

FEATURES AND BENEFITS

- Chemical & Environmental Inertness
- Heat Resistance & High Heat Deflection Temperature
- Dimensional Stability Due to Low Water Absorption
- High Hardness & Abrasion Resistance
- Good Strength at Elevated Temperatures
- Good Electrical Properties & Radiation Resistance
- Inherent Flame Resistance.

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