



Hi-Tech Seals Inc.

KasPex™ PEEK

PEEK Sealing Solutions for Demanding Applications

KasPex™ PEEK is Hi-Tech Seals' family of high-performance thermoplastic PEEK (Polyetheretherketone), engineered for exceptional mechanical strength, chemical resistance, and dimensional stability. It maintains its mechanical properties even at high temperatures, with specialty compounds available for low-temperature applications. KasPex™ PEEK excels in hydrolysis resistance, making it suitable for hot water and steam environments.

KasPex™ PEEK advantages:

- Superior mechanical strength
- Outstanding chemical resistance
- Excellent high-temperature performance
- Exceptional wear and abrasion resistance
- Outstanding electrical insulation
- Remarkable hydrolysis resistance

The KasPex™ PEEK family of materials is composed of various compounds, including MP39, MP38 and MP37:

- **MP39** is our virgin PEEK that offers the highest elongation, toughness, and inertness of all the KasPex™ materials
- **MP38** high-temperature performance MP38 is our glass-reinforced PEEK, which provides additional rigidity and stability
- **MP37** is our carbon-reinforced PEEK, which provides a lower coefficient of friction



KasPex™ PEEK improves the performance and reliability of machined parts in innumerable applications across a wide range of industries, including:



Oil and Gas



Manufacturing



Aerospace



Medical



Automotive



Electronics



Agriculture



Chemical

Connect with us for more technical information about KasPex™ PEEK and to identify the right compound for your application.

03/2025



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