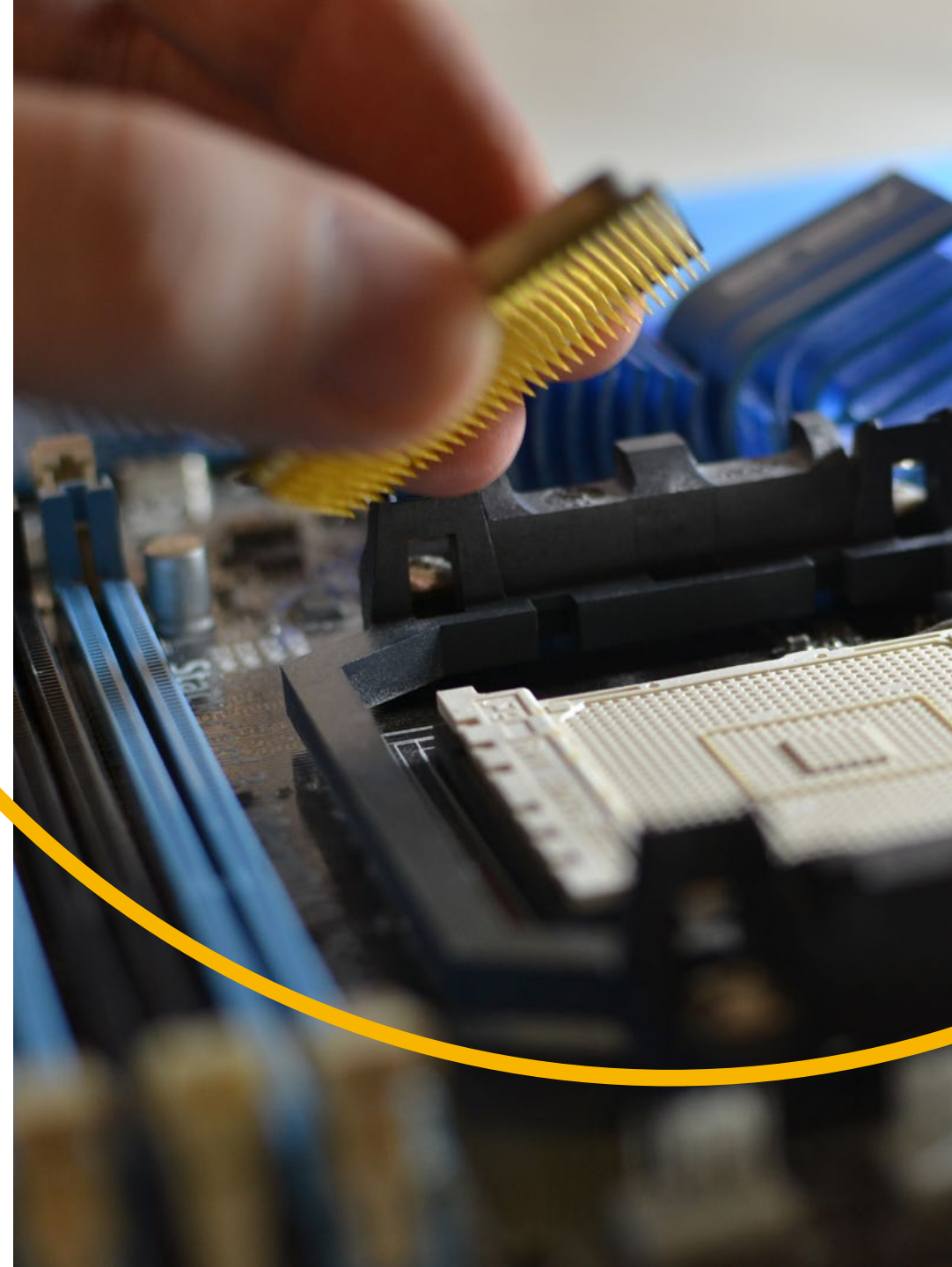
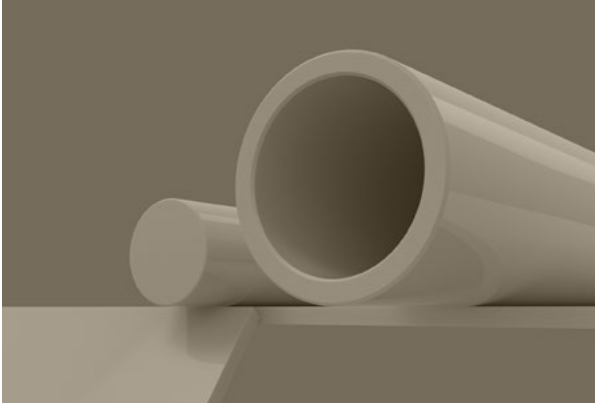




Semitron[®] MDS 100 PEEK





Excellent machinability, stability and performance value

Competitive advantage

Semitron® MDS 100 PEEK was developed specifically to provide a highly rigid, stable, moisture-resistant platform for precision structural applications. Its unique, proprietary polymer matrix makes it ideal for use in parts where fine machining and precise tolerances are critical. With flexural modulus performance over 1,400,000 PSI, Semitron® MDS 100 PEEK sets a new performance level for machinable polymers. This technology allows the production of thinner shapes that reduce the amount of machining required for thin parts.

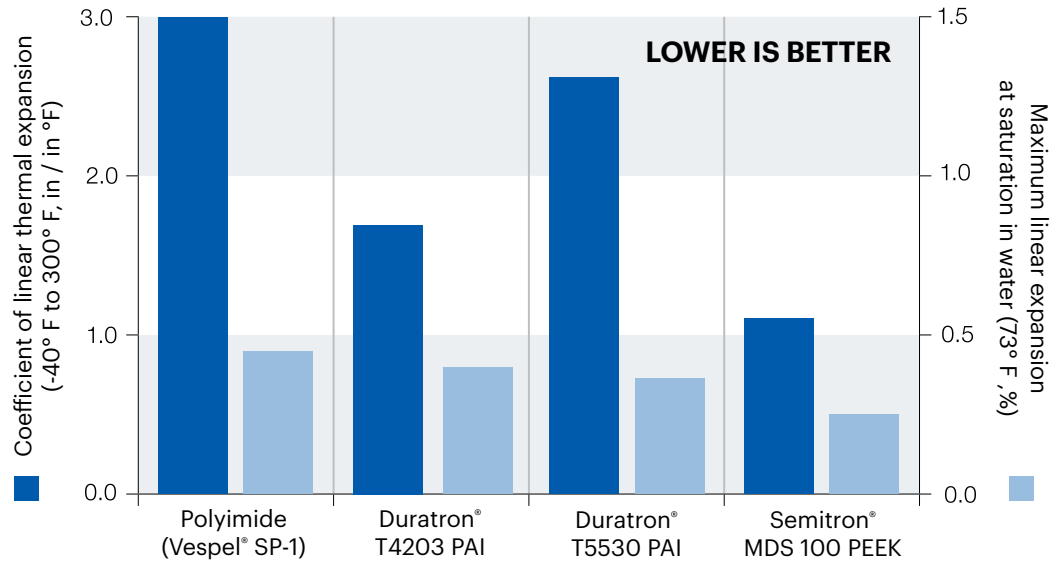
Key benefits

- Very low moisture absorption
- Easily machined to precise dimensions
- Very strong and stiff without the addition of a fiber fill
- Low CLTE means parts stay in spec
- Available in thin cross-sections
- Down to 1mm thickness

Common applications

- Test sockets for semiconductor back end testing manufacturing
- Fixtures for electronics testing
- Mounting points for precision diagnostic equipment
- Positioning platforms for miniature motion control devices

Dimensional stability



Semitron® MDS 100 modified Polyetheretherketone PEEK shapes offer a remarkable combination of strength, stiffness, and stability. This grade in particular was developed for use in controlled application environments where a high level of precision is required. Due to this, Semitron® MDS 100 components are often used as test sockets, nests, and fixtures in test and package equipment throughout the semiconductor and electronics industry.

[Download datasheet](#)

Get in touch

Contact.

contact.mcam@mccg.com

Visit.

www.mcam.com/en/contact

Europe

Mitsubishi Chemical
Advanced Materials NV
Galgenveldstraat 12
8700 Tielt,
Belgium

Tel: +32 51 42 35 11

www.mcam.com

North America

Mitsubishi Chemical
Advanced Materials Inc.
2120 Fairmont Avenue
PO Box 14235 — Reading,
PA 19612-4235

Tel: +1 610 320 6600

Asia-Pacific

Mitsubishi Chemical
Advanced Materials Asia Pacific Ltd.
Unit 7B, 35/F, Cable TV Tower,
9 Hoi Shing Road,
Tsuen Wan, Hong Kong

Tel: +852 2470 26 83

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