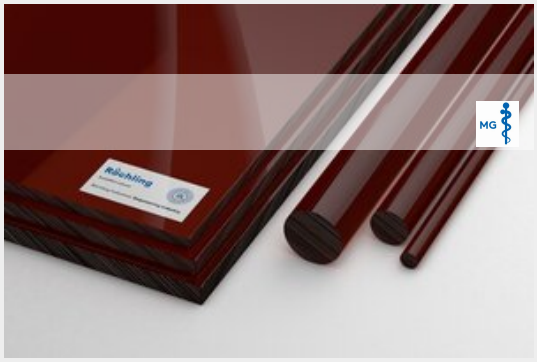
SustaPEI MG natur

PEI

Our specialist for medical devices

SustaPEI MG was developed for the high demands of the healthcare sector. As a material with high purity and very good resistance to sterilisation, it is ideal for surgical instruments, for example. Thanks to its high glass transition temperature, PEI retains its mechanical properties and dimensional stability up to approx. 170° C. The strength level is above that of other amorphous high-performance plastics (PSU, PPSU). PEI has a remarkably high resistance to high-energy gamma radiation.



Operating in the following industries

Healthcare

Extended characteristics

Sterilisation resistance

Tested for hot steam (134°C, 10 minutes, 3.1 bar) up to 2,000 cycles (without additional cleaning). Other common sterilisation processes are also possible.

Quality Management

The highest level of quality and performance: Our MG products are subject to ISO 13485-certified process instructions. Change management including NOC is standard.

Biocompatibility

Tested and approved on the semi-finished product in accordance with ISO 10993-5. Further test series are available on request.

Very good chemical resistance

Resistant to alcohols, aliphatic hydrocarbons, and inorganic acids – also good hydrolysis resistance. Unsuitable for strong alkalis and ketones.

Inherent stability

PEI is inherently highly flame-retardant (UL94 V0) with low smoke development. It is also UV-stable and well suited to high-energy radiation.

Röchling Industrial Lahnstein SE & Co. KG
Sustaplast-Str. 1 • 56112 Lahnstein/DE • Tel. +49 2621 693-0 • info.lahnstein@roechling.com

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We are a system supplier and partner from the idea to the OEM's end product - as a cooperative value contribution. We are able to support the healthcare industry at the highest level.

Armin Reuner - Industry Manager Healthcare - Mail: AReuner@roechling.com

Our product variants of SustaPEI MG natur

For more information about technical data, product handling, certifications, compliance or delivery program scan the QR-Code and visit our website or talk to our experts.

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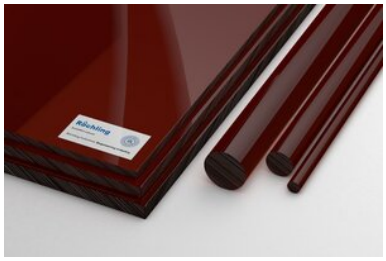

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