

EtroX[®] I CM

The premium product for highly demanding applications

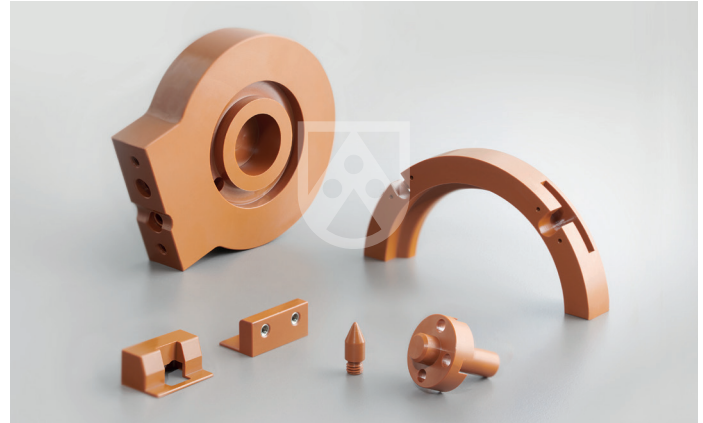
Our premium material EtroX[®] I CM was specially developed for the high demands of the electronics, aerospace and automotive industries. As a pure polyimide, it withstands particularly high temperatures. EtroX[®] I CM can be used to design components that have significant advantages over other thermoplastics.

Technical data

Properties	EtroX [®] I CM
Ball indentation hardness	235 MPa
Glass transition temperature	330 °C
Electrical strength	34 kV/mm
Dimensional stability temperature, 1.80 MPa	319 °C

Product range

Thickness : 4–60 mm
Format: 395 x 395 mm



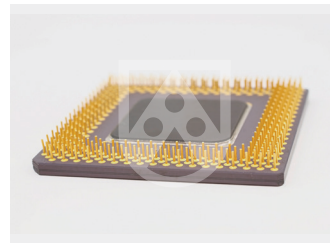
For applications with high requirements: components made of EtroX I CM are characterised by high temperature resistance, strength and impact resistance.

Industries

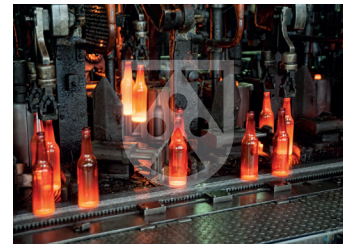
- Electronics industry
- Aerospace industry
- Automotive Industry
- Semiconductor Industry



Thrust washer for electric cars



Test socket for final chip testing



Grippers for glass bottles

Properties



High mechanical strength

Even at high temperatures of more than 250 °C, EtroX[®] I CM has a high mechanical strength, so that the material can replace metals. High tensile strength, with adequate impact strength, stiffness and dimensional stability make it a premium material for demanding applications.



Easy processing

EtroX[®] I CM can be machined to tight tolerances using conventional CNC machines.



High temperature resistance

EtroX[®] I CM has a very high resistance even at high operating temperatures under load. In addition, the low inherent flammability enables applications with a high safety risk.



Long lifespan

Our material has a low wear rate so that components made of EtroX[®] I CM can be used for a long time and thus increase efficiency in the application.

For more information, please contact our product manager [Philip Rosenbaum | prosenbaum@roebling.com](mailto:prosenbaum@roebling.com)

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