

## Material resistant to 500 °C

**Other material names** MO500: asbestos-free cement

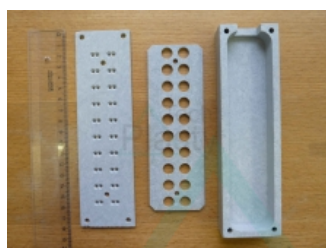
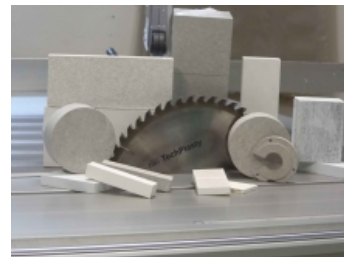
**Material group:** Heat-resistant materials

The material is an asbestos-free cementitious material reinforced with inorganic fibers with excellent electrical properties.

Suitable for applications requiring continuous operation at temperatures up to 500 °C.

### Typical applications:

- cathode pad support
- insulation board
- induction furnaces
- insulating components



### The material is used in:

Electrotechnical industry  
Engineering industry

### Features:

- dimensional stability
- mechanical strength at temperature
- nonflammable
- well machinable
- chemical resistant
- non-asbestos

**Material availability:** Material in stock at the manufacturer  
Material properties table

<b>Specific weight</b>	1.75 g/cm <sup>3</sup>
<b>Antistatic material</b>	No
<b>Specific internal resistance</b>	1.00x10 <sup>(4)</sup> MΩ · cm Ω
<b>Permanent use temperature</b>	0 ; 500 °C
<b>Transient temperature of use</b>	0 ; 500 °C
<b>Food contact</b>	No

Engineering plastics are supplied in the form of bars, plates, strips, tubes and sheets. From the semi-finished products the company TechPlasty has regularly in stock, we also supply blanks.

All standard and special materials are designed to meet your specific requirements. Their mechanical, thermal,

and electrical properties and chemical resistance satisfy the most demanding requirements and this allows them to work even in the most difficult conditions. If you need advice when choosing the appropriate material for your application, please contact us. We'll gladly advise you. You can utilize the long-term experience of our technical advisors free-of- charge, who can visit you right in your operation and solve your requirements for engineering plastics directly at the site of their usage.

**TechPlasty, s.r.o.**

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