MolyTec INDIVIDUALLY SUITED TO YOUR NEEDS

Electric heating systems made from heating elements (MoSi₂) and insulation boards or shapes (PCW) up to 1550 °C (2822 °F) application temperature

MolyTec combines intermetallic heating elements made of molybdenum disilicide (MoSi₂) and insulation boards or shapes made of polycrystalline mullite/alumina wool (PCW) in heating systems ready for installation for demanding production and research environments.

The heating system permits controlled and precise heating at application temperatures up to 1550 °C (geometry dependent). MolyTec is fully compatible with all technically comparable heating systems and can be integrated into nearly any furnace system. As a panel, cylinder, half shell or other geometry – we implement the systems together with you according to your requirements.

MolyTec electric heating systems are used e.g. in the special glass industry for melting furnaces (lead crystal glass and soda-lime glass and other special glasses) as roof heaters of feeder forehearts or in all other high-temperature applications with a need of cylindrical heating systems.

MolyTec systems are specially designed for a maximal electric power of 150 kW/m². Special dimensions and designs are available according to customer’s request.

YOUR BENEFITS WITH MOLYTEC AT A GLANCE

✓ Quick and simple installation and exchange
✓ Controlled and precise heating at application temperatures up to 1550 °C (geometry dependent)
✓ Long service life of the heating system
✓ Fully compatible with systems from comparable manufacturers
### MATERIAL PROPERTIES OF MOLYTEC

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<thead>
<tr>
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<th>MolyTec</th>
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<tr>
<td><strong>Operating temperature</strong></td>
<td>Up to a maximum of 1550 °C under air (depending on geometry).</td>
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<td><strong>Components</strong></td>
<td>A combination of MolyCom®-Ultra or MolyCom®-Hyper heating elements with UltraBoard or UltraVac produced and adjusted on customer’s request.</td>
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<td><strong>Physical and chemical properties of MolyCom®, UltraBoard and UltraVac</strong></td>
<td>Please see the specific data sheets.</td>
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