



**Technical data sheet: belCoTex® - Fiber**

<b>Product specification:</b>	Staple fiber: Al <sub>2</sub> O <sub>3</sub> -modified silicic acid TD001 of 25.08.99
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<b>Chemical composition:</b>	94,5 % SiO <sub>2</sub> 4,5 % Al <sub>2</sub> O <sub>3</sub> < 0,5 % Na <sub>2</sub> O < 0,5 % further components free of any organic binders
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<b>Density:</b>	2100 + / - 100 kg/m <sup>3</sup>
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<b>Fiber diameter:</b>	9 + 1 μm
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<b>Temperature resistance:</b>	1200 °C (short-term) 1000 °C (long-term)
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<b>Melting region:</b>	> 1600 °C
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<b>Chemical resistance:</b>	resistant against organic agents, water and hot acids (except HF)
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<b>Loss of mass (1000 °C, 2 h):</b>	11 - 13 %
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<b>Linear shrinkage (1000 °C, 2 h):</b>	5 - 6 %
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The published data reflect the up-to-date knowledge with best conscience. They are subject to statistical variations.  
Amendments may be made at any time without prior announcement.