Since 1922, Saint-Gobain Quartz formerly known as Quartz & Silica has been a solution provider to Aeronautic, Defense and Railway industries. Based in Nemours (France) and also in Louisville, KY (US), Saint-Gobain Quartz is recognized as the world-wide leader in the production of fused quartz fibers commercialized under the brand name Quartzel®.

Quartzel® fiber is a homogeneous, non-porous, continuous, amorphous, ultra-pure silica glass with a SiO₂ content ≥ 99.95%. Quartzel® yarns are assemblies of either 9μm, 12.5μm or 14μm filaments gathered into strands (forming package), then processed with varying levels of twist and ply. Quartzel® rope is an assembly of Quartzel® yarns.

### Applications
- High temperature seals and gaskets in vibrating environments
- Semiconductor / solar cells furnaces
- Pipe and exhaust systems wrappings

### Main properties
- High mechanical strength & virtually no shrinkage at HT
- Low CTE (0.54x10⁻⁶ K⁻¹) & good resistance to thermal shock
- Non pollutant material with SiO₂ content above 99.95%
- Resistant to acids and nuclear radiation. No moisture absorption.

### Standard dimensions

<table>
<thead>
<tr>
<th>Standard dimensions</th>
<th>Approx. linear weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 mm x 5 mm</td>
<td>28 g/lm</td>
</tr>
<tr>
<td>8 mm x 8 mm</td>
<td>69 g/lm</td>
</tr>
<tr>
<td>10 mm x 10 mm</td>
<td>106 g/lm</td>
</tr>
</tbody>
</table>

Other dimensions & designs available: from 2mm to 20mm

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**TECHNICAL DATA & ROPE NOMENCLATURE**

SiO₂ content ≥ 99.95%

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