

Silica Fibres

Indian Space Research Organisation at its Vikram Sarabhai Space Centre (VSSC) has developed a new technology for developing silica fibres by sol-gel process. The fibres can be used for high temperature insulation up to 1500°C.

The low temperature process (400°C) adopted for developing silica fibres is more economical than the conventional technologies and can give high purity fine fibres. In addition, the fibres are hollow as well, thereby improving the insulation property further.

Fibre Specifications:

- Composition : Silica (99.5%)
- Diameter : 1 - 20 μ
- Length : 5 - 20 mm
- Aspect ratio : 500 - 20,000
- Morphology : Amorphous (1400 °C)
- Heat Treatment : Up to 1400 °C

The technology of developing silica fibres is available for transfer to entrepreneurs working in a similar field. Interested entrepreneurs are requested to contact the address given below with relevant particulars regarding their line of current activity, infrastructure available, market assessment of the product, financial arrangements made and turn over and sales of their products for the past years.