

Silica Granules

Indian Space Research Organisation at its Vikram Sarabhai Space Centre (VSSC) has developed a new technology for developing silica granules of fine sizes. The granules are produced from aero-gel chips and subsequently firing using microwaves. They can be used for high temperature insulation up to 1250oC. Since they are hollow and weigh very less, they can also be used as filler materials for paints, polymer/ metal and ceramic matrices to reduce density and improve thermal properties.

Product specifications:

- Product Composition : SiO_2 (99.5%)
- Diameter : <2 mm
- Bulk Density : <0.35 g/cc
- Morphology : Hollow, fibrous & Amorphous

The technology of developing silica granules 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.