



### Expanded Perlite Powder:

Basic Perlite is an amorphous volcanic glass with relative high water content. When this material heated up to 900-1100 Deg C it will be expand 15 to 20 times of its original volume & foam a granular, due to volatilization of the water and create a light weight cellular particle or bubble.

### Characteristics:

Density in (Kg/M3)	Available in a range of 30- 190 Kg/M3, Typical Compact density range from 55-75 Kg/M3
Granular Size	It varies from 4 to 1.2 mm Depending on Grades
Thermal Conductivity	0.01 to 0.06 W/m K ( Depending on Density & Temperature)
Temperature Range	- 273 Deg C to 1000 Deg C
Moisture	Max. 0.05%
Organic Content	Max. 0.01%
Fire Resistance	Perlite is non Combustible
Asbestos	Do not Contain asbestos

### Applications:

- It is used in Cryogenic Insulation
- For commercial Hydroponics
- It will be used as filler in doubled wall equipment used for the storage of liquefied gases at low temperature.



# SHETH INSULATIONS PVT. LTD.

Dealers & Contractor in Thermal Insulation & Waterproofing Materials

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## **Advantages:**

- Low thermal Conductivity
- Cost Effective
- Easy to handling
- Non combustible
- Eco friendly ( Naturally occur in environment)
- Low water absorption
- Non Corrosive
- High Resistance to concentrated acid such as sulphuric, hydrochloric and nitric acid.
- It is entirely free from acid erosion