

Expanded Perlite – Cryoapp

Description

SIBLI Expanded perlite for cryogenics is used for a wide variety of insulating applications ranging from cryogenic vessels to basic low temperature insulation.



Chemical composition

SiO ₂ :	74%
Al ₂ O ₃ :	12%
MgO :	1%
CaO :	1%
K ₂ O :	5%
Fe ₂ O ₃ :	1%
Na ₂ O :	4%
H ₂ O :	traces
FeO :	1%

Properties

- Ph : ± 7
- White granules
- Density:
- incombustible
- Rot-proof & sterile

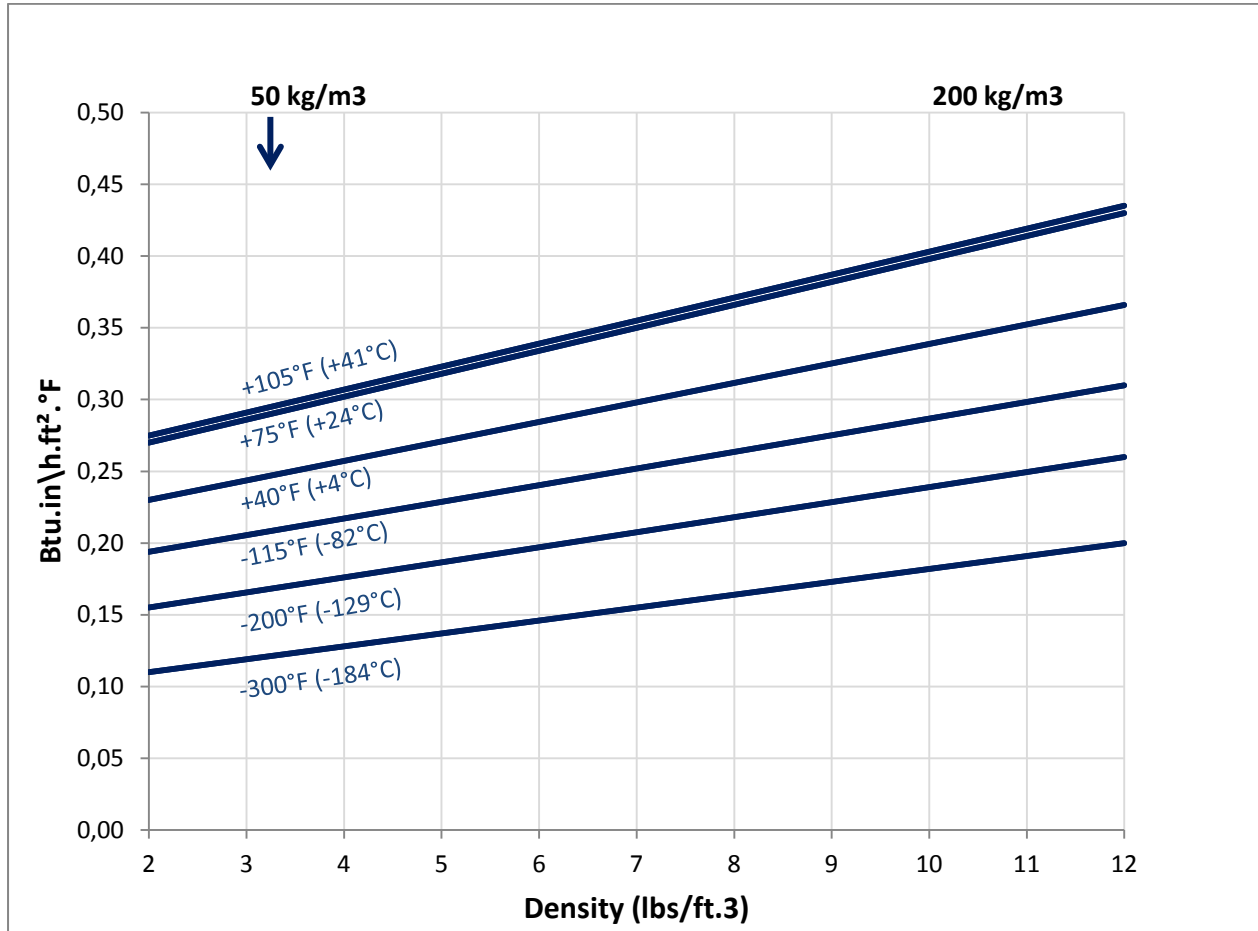
Packaging

- 100 liters paper bags - 33 bags/palet
- 100 liters plastic bags - 33 bags/palet
- 1850 liters bigbags
- 1500 liters big bags
- Bulk (delivery by trucks, silo trucks)
- Shipping by trucks, vessels, containers till 44ft.
- Highcube - special packaging, bigbags & volumes on request

Particule size

Cryoapp grade: 0,0 to 2,00 mm

Thermal conductivity



SIBLI's CRYOAPP expanded perlite displays low thermal conductivity. Its specific density of ca. 50kg/m3 (3,1 lbs/ft.3) is proven to be the best value, as to keep the most efficient thermal conductivity value.

Expanded perlite is non-hygroscopic, which adapts it for use under vacuum conditions. Under vacuum insulation, it offers the advantage to remain effective even in the event of severe degradation of the vacuum conditions. The operating pressure recommended is between 0.1 and 10 Pa but depends on the temperatures and densities. It could be also used with higher vacuum. Perlite could be used for containers which require particularly low thermal conductivity, such as liquid storage (ex. Nitrogen) or transfer lines.

We ship CRYOAPP perlite worldwide since 1980.

Document with restricted usage and only available for our production site.

Release date : May 2014

Any reproduction of this document, partially or complete, is strictly prohibited.