



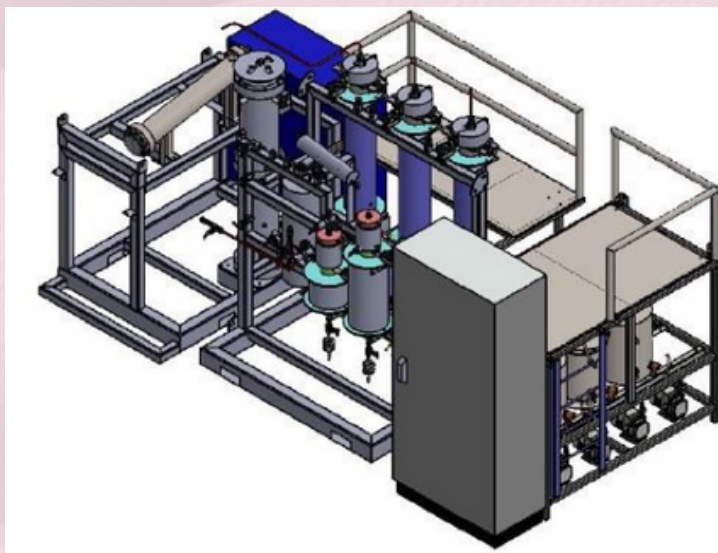
LCHP INSULATIONS LLP

AEROGEL PRODUCT'S

- Proprietary Technology
- Manufactured to meet application specific requirements



LOW CONDUCTIVITY HYDROPHOBIC (LCHP) INSULATION PORTFOLIO



Thermal and Cryogenic Applications:

- **Process Plants**
- **Thermal Runway Management**
- **LNG/Hydrogen Storage**
- **and transmission**
- **Additives in high**
- **performance paints**
- **and coatings**

LCHP Insulations LLP is incorporated with vision of energy conserving and sustainable solutions for critical insulation applications. Our team has undertaken extensive research to indigenously develop proprietary Aerogel products to meet the industry requirements.

LCHP ADDITIVES

High performance insulation/catalysts to boost thermal, fire and hydrophobic properties



Particle Size:	Microns to MM
Surface Chemistry:	Hydrophobic
Porosity:	90-95%
High Surface Area:	700-800 m²/g
Particle Density:	120-150 kg/m³
Optics:	Translucent/Opaque
Thermal Conductivity:	12 mW/m-K
Contact Angle:	150°
Operating Temp:	To maintain hydrophobicity 196° to 300° C To maintain insulation efficacy 196° to 800° C

LCHP-650/Cryo is a highly porous, low density, lightweight fibre reinforced aerogel based thermal insulation product that is manufactured through a special process.

Properties

Thickness:	3/5/10/15mm thk variants
Roll Size:	1.2m wide x 10m length $\equiv$ 12 Sq.m.
Dimensional Tolerance:	- + 2 mm
Thermal Conductivity:	0.0195 W/m.K @ 25 deg C
Max Use Temperature:	-180 to + 650 deg C (LCHP 650) -180 to + 1000 deg C (LCHP Cryo)
Color:	White
Density:	160 Kg/cubic meter (+- 10%)
Hydrophobicity:	Yes
Fire Classification:	A1 Class

Working with LCHP Blankets endorse:

- Highest efficacy thermal and cryogenic insulation solutions
- Less Heat Losses
- Ergonomically lean assembly
- Meeting HSE norms
- ROHS complaint
- System energy conservation
- Reusable after inspection
- Reduces Operational Cost
- Reusable and long service life
- Mitigate CUI
- Sustainable alternative

R&D Center:

EL-47, Electronics Zone, TTC Industrial Area
MIDC, Mahape, Navi Mumbai 400710
Email: ashok@chemtron.net.in
Phone: 022-67847300

Plant/Works:

Donvat, 93A/2, Pen - Khopoli Rd,
Maharashtra 410203
Email: ashish@chemtron.net.in
Phone: 022-67847300