

LCHP INSULATIONS LLP

Low Density High Performance Additives

Product highlights: Aerogels are next generation materials with unique properties and characteristics make it the ideal as high performance additives. It imparts thermal insulating properties and high temperature endurance for performance concrete and paints.

- High Surface Area coverage
- Extremely low density/weight
- Lowest Thermal conductivity
- Low viscosity built
- Tight particle size distribution for optimised performance
- Resists settling – no anti-setting additives needed
- Unmatched light diffusion



PROPERTIES	Values
Lose Weight Density	0.07 - 0.08 g/cm ³ $\approx$ 70-80 kg/m ³
Colour	White
Moisture Content	< 0.01 %
Thermal Conductivity	0.012 - 0.014 W/m ² k
Porosity	> 95 %
Hydrophobic Contact Angle	> 120 deg C
Softening Point temp	> 1000 C
Particle Size	<10 μ m
BET Specific Surface area	600 - 700 m ² /g
Specific Heat	1.3 J/Kg k
Fire Resistance	A-1 Fire classification
Fire Retardancy	Non-combustible

The data in the table above are typical test values intended for guidance and are tested from reputed testing lab for reference. The values are not claimed by LCHP Insulations LLP as implied specifications

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