

LUMIRA[®] TRANSLUCENT AEROGEL LA1000; LA2000

Product highlights

The superior properties of translucent Lumira aerogel, make it the obvious choice for insulating a wide variety of daylighting systems from glass to polycarbonate. Its light transmitting nature and superior thermal performance result in enhanced energy efficiency while enabling a wide range of commercial and residential building design choices.



Performance benefits:

- ◆ Hydrophobic/water repellent
- ◆ UV stability
- ◆ Sound absorption
- ◆ Thermal insulation
- ◆ High light transmission
- ◆ Lightweight
- ◆ Non-combustible
- ◆ Inert

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

Enova is a trademark of Cabot Corporation.

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PRODUCT FEATURES		
PROPERTY	LA1000	LA2000
Particle size range	1.2 – 4.0 mm	0.7 – 1.2 mm
Pore diameter	~20nm	~20nm
Porosity	>90%	>90%
Particle density	120 – 150 kg/m ³	120 – 150 kg/m ³
Bulk density	68 kg/m ³	75 kg/m ³
Surface chemistry	Hydrophobic	Hydrophobic
Surface area	600 – 800 m ² /g	600 – 800 m ² /g
Light Transmission per cm thickness	93%	89%
Thermal conductivity - particle	12 mW/m-K	12 mW/m-K
Thermal conductivity - bulk	17 -22 mW/m-K (depending on density)	17 -22 mW/m-K (depending on density)
CAS RN	102262-30-6	102262-30-6

The data in the table above are typical test values intended as guidance only; they are not product specifications. Product specifications are available upon request from your Cabot representative.

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