

## Lumira<sup>®</sup> Translucent Aerogel

LA1000, 2000



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 mean enhanced energy efficiency while enabling a wide range of commercial and residential building design choices. Benefits include:

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

### Product features

Particle size range	0.7 - 4.0mm
Pore diameter	~20nm
Porosity	>90%
Particle density	120 - 150kg/m <sup>3</sup>
Bulk density	65 - 85kg/m <sup>3</sup>
Surface chemistry	Hydrophobic
Surface area	600 - 800m <sup>2</sup> /g
Light transmission	>90% per cm
Thermal conductivity	18mW/mK @ 85kg/m <sup>3</sup> @ 12.5°C 23 mW/mK @ 65kg/m <sup>3</sup> @ 12.5°C
CAS RN	102262-30-6



Cabot aerogel is safe for human and ecological systems, and is manufactured with little to no impact on the

environment. It holds Silver Cradle to Cradle certification from McDonough Braungart Design Chemistry. This stringent independent certification process examines a product's manufacturing characteristics and ecological impact, aiming to eliminate waste entirely and create a healthy and sustainable society. Cabot certifies it has completed the EU REACH pre-registrations required for all Cabot aerogel products.



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