

# ENTERA™ EV5800 Aerogel for EV Thermal Management Coatings

## Product highlights

ENTERA™ EV5800 aerogel particles are excellent thermal insulation enablers that coatings companies can formulate into coatings systems that can be used in electric vehicle (EV) batteries. These products are half the thermal conductivity of still air and offer a distinctive chemistry that is applicable in intumescent, powder and spray coatings. ENTERA EV5800 aerogel is characterized by a narrow particle size range with limited variability in size. This enables a formulated coating that can be sprayed more easily with a reduced risk of clogging spraying nozzles.



## Performance benefits

- ◆ Highly insulating (12 mW/m-K at room temperature)
- ◆ Narrow particle size range to reduce the risk of clogging sprayers
- ◆ Hydrophobic
- ◆ Lightweight
- ◆ Low dusting
- ◆ Non-combustible
- ◆ High single pass dry film thickness

PRODUCT FEATURES	
PROPERTY	DATA
Particle size range	0.1-0.7 mm
Pore diameter	~20 nm
Bulk density	75-95 kg/m <sup>3</sup>
Particle thermal conductivity	12 mW/m-K
Surface chemistry	Hydrophobic
CAS RN	102262-30-6

The data in the table 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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## Product form and logistics

- ◆ Product form: aerogel particles
- ◆ Regional availability: global
- ◆ Packaging: 160kg FIBC (flexible bulk container)

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](https://www.cabotcorp.com). ENTERA is a trademark of Cabot Corporation.

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### NORTH AMERICA

Business & Technology Center  
157 Concord Road  
Billerica, MA 01821-7001  
United States  
T +1 800 462 2313  
F +1 978 670 7035  
[NA.Aerogel.Sales@cabotcorp.com](mailto:NA.Aerogel.Sales@cabotcorp.com)

### EUROPE

Cabot Aerogel GmbH  
Industriepark Höchst, Bldg. D 660  
Frankfurt am Main 65926  
Germany  
T +49 69 305 8087  
[aerogel@cabotcorp.com](mailto:aerogel@cabotcorp.com)

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