

SIGRATHERM® expanded graphite powder

The best thermal conductivity additive

SIGRATHERM expanded graphite powder manufactured from natural graphite increases the thermal conductivity of various compound materials as well as inorganic materials dramatically. Due to the unique properties of graphite, it is also suitable for electric and antistatic as well as mechanical applications.

Leading companies around the world rely on the outstanding properties of SIGRATHERM graphite powder for their applications:

- Dramatic increase of thermal conductivity – even at low filler contents
- Improvement of electrical conductivity
- Electromagnetic shielding
- Self lubricating properties
- High purity
- Low powder density and large specific surface
- Good free flow properties and dosability
- Minimum influence on properties of base material
- Outstanding thermal resistance
- High chemical and corrosion resistance
- Physiological inertness and environmental friendliness
- Broad portfolio: Various particle sizes and densities

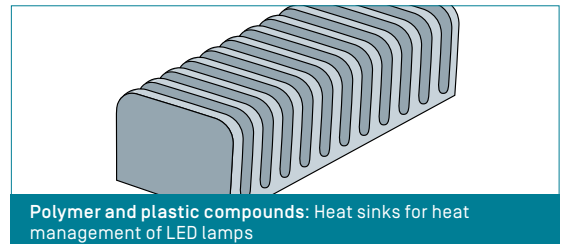
SIGRATHERM combines all the technical properties which are indispensable for the diverse range of applications targeting for optimum thermal conductivity ensuring our customers have a clear competitive edge.

Improve the performance of your applications.

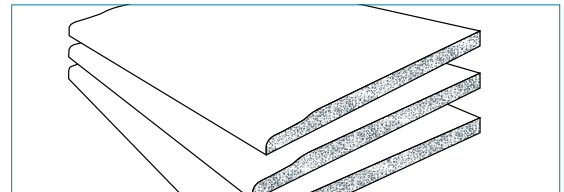
SGL Carbon provides all that you need from a single source:

Perfect material of the highest quality and comprehensive application know-how for the best solution.

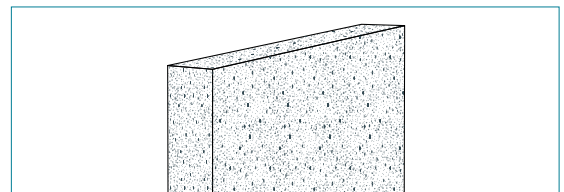
Contact us, we are pleased to help.



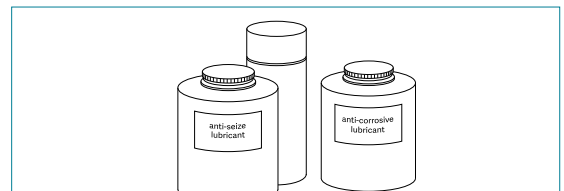
Polymer and plastic compounds: Heat sinks for heat management of LED lamps



Construction materials: Planking of cooling ceilings, electromagnetic shielding and antistatic floor covering



Refractory materials: Refractory bricks, parts for non-ferrous metal casting



Lubricants: Extreme temperature anti-seize and thread and anti-corrosive lubricants

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