



PRODUCT-INFORMATION

1. Product Name

MECHANO-LUBE® 4G2

2. Product description

MECHANO-LUBE® 4G2 is a special processed natural graphite with conductive carbon black. This mixture is pre-dispersed and contains additives. Due to this processing MECHANO-LUBE® 4G2 can be easily dispersed in liquids without using stirred ball mills or other complicate facilities. MECHANO-LUBE® 4G2 is excellent compatible with most of lacquer systems as well as with polymer systems like thermoplastics or thermo setting resins. Because of the special processing method MECHANO-LUBE® 4G2 is reduced in bulk volume and shows an easy dosage behaviour. Mixing time can be significantly reduced due to its bulk density and good dispersability. The product can be handled dust free. MECHANO-LUBE® 4G2 shows a very beneficial effect on cycle life in lead acid batteries. The capacity loss caused by the formation of lead sulphate on the surface of negative plate can be significantly reduced.

3. Applications

- Improvement of thermal and electrical conductivity
- Spacer and conductive aid in negative plates of lead acid batteries
- Coatings und lacquers
- Reinforcing material in thermoplastic and resins

4. Properties

Property	Specification	Unit	Method
Carbon	>95,0	Wt. %	DIN 51903
Moisture	max. 0,5	Wt. %	110°C Drying
Bulk density	480	g/l	Home method



PRODUCT-INFORMATION

5. Typical product form



Information provided on this technical data sheet indicates the approximate physical and chemical properties of the material. No warranty is made either expressed or implied regarding the accuracy or the results to be obtained from the use of such information.