



PRODUCT-INFORMATION

1. Product Name

MECHANO-LUBE[®] 1P9

2. Product description

MECHANO-LUBE[®] 1P9 is a special ground natural graphite. MECHANO-LUBE[®] 1P9 shows an excellent compatibility with a wide range of lacquer formulations as well as with polymer systems like thermoplastics or thermo setting resins. Because of the special refining method MECHANO-LUBE[®] 1P9 is suitable as lubricant and coating aid.

3. Applications

- Reduction of friction coefficient
- Improvement of thermal conductivity
- Synergistic effects with other lubricants like tungsten disulphide, molybdenum disulphide, hexagonal boron nitride and PTFE.
- Coatings and lacquers
- Reinforcing material in thermoplastic and resins

4. Properties

Property	Specification	Unit	Method
Carbon	> 96,0	Wt. %	DIN 51903
Moisture	max. 0.5	Wt. %	110°C Drying
Particle size D ₅₀	< 5.5	µm	Laser diffraction
Particle size D ₁₀	< 2,5	µm	Laser diffraction
Particle size D ₉₀	< 12	µm	Laser diffraction

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.