

# Graphene Supermarket 二硫化钼纳 米粉

中文名称: Graphene Supermarket 二硫化钼纳米粉

英文名称: MoS<sub>2</sub> Ultrafine Powder

货 号: ML1136

CAS 号: 1317-33-5

包 装: 5g

参 数: 纯度 99.0wt% 粒径 90nm 比表面积 35m<sup>2</sup>/g

保质期: 1 年常温干燥避光

性 质

Purity: 99.0%

Average Particle Size: ~90 nm

Specific Surface Area: ~35 m<sup>2</sup>/g

Morphology: nearly spherical

Bulk Density: ~0.78 g/cm<sup>3</sup>

True density: 5.06 g/cm<sup>3</sup>

## 应 用

Transparent and Flexible Electronics

Transistors

Composite Materials

Chemical and bio-sensors

Semiconductor printable inks

## 其他信息

**Academic References:**

Electrical Characteristics of Molybdenum Disulfide Flakes Produced by Liquid Exfoliation, Lee et al. Adv. Mater. 2011, 23, pp. 4178-4182

Gelatin-assisted fabrication of water-dispersible graphene and its inorganic analogues, Ge et al. J. Mater. Chem. 2012, 22, pp. 17619-17624

Preparation of High Concentration Dispersions of Exfoliated MoS<sub>2</sub> with Increased Flake Size, O'Neill et al. Chem. Mater. 2012, 24, pp. 2414-2421

Two-Dimensional Nanosheets Produced by Liquid Exfoliation of Layered Materials, Coleman et al. Science, 2011, 331, pp. 568-571