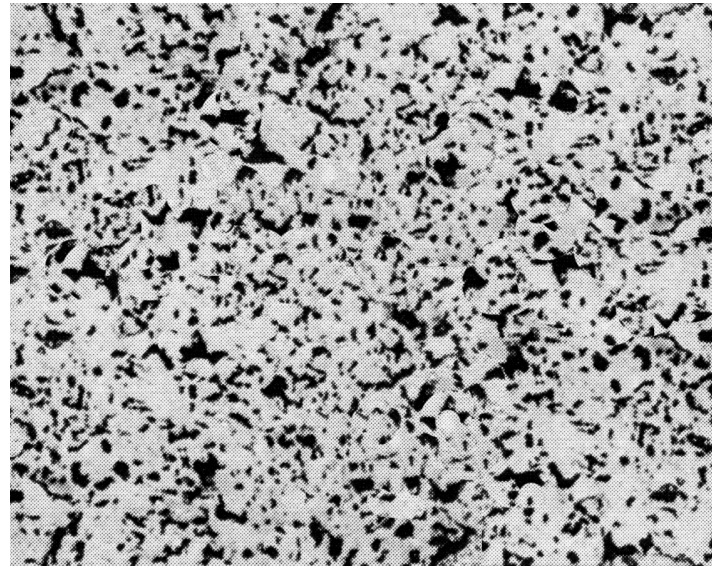


# Superfine Graphite

*Fine particle graphite for medium and large electrodes*

POCO® Superfine Graphite combines strength, durability, and machining performance to meet the demands of precision manufacturing applications. Engineered with a fine, uniform microstructure, these graphite grades provide an outstanding balance of wear resistance, electrode life, dimensional stability, and surface finish quality.

Through POCO's tightly controlled manufacturing process, customers benefit from consistent material properties and reliable performance from batch to batch, helping optimize productivity and reduce overall manufacturing costs across EDM applications.



EDM-200 graphite

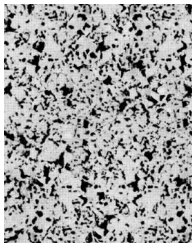
## APPLICATIONS

- Structural ribs
- Large featured mold
- Roughing or finishing electrodes
- High strength large electrodes



## Superfine Graphite

### EDM-200® graphite



EDM-200 is an isotropic Superfine particle graphite providing good strength, surface finish, and wear resistance. Moderately priced, EDM-200 graphite provides excellent repeatability from electrode to electrode and from job to job.

#### Typical Value

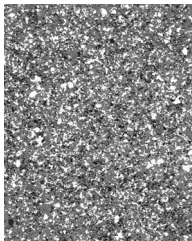
|                         |                                          |
|-------------------------|------------------------------------------|
| Average particle size:  | 10 µm                                    |
| Flexural strength:      | 635 kg/cm <sup>2</sup><br>(9,000 psi)    |
| Compressive strength:   | 1,075 kg/cm <sup>2</sup><br>(15,500 psi) |
| Hardness:               | 68 Shore                                 |
| Electrical resistivity: | 14.7 µΩm<br>(580 µΩin)                   |
| Maximum Block Size:     | 6"× 24"× 60"                             |

#### Applications

- Structural ribs
- Roughing or finishing electrodes
- Large featured mold
- High strength large electrodes

## Copper Superfine

### EDM-C200® graphite



EDM-C200 is a Superfine graphite infiltrated with copper that offers excellent metal removal rates and good wear resistance. EDM-C200 graphite improves cutting stability in poor flushing condi-

tions, and is an excellent material for cutting aerospace alloys.

#### Typical Value

|                         |                                          |
|-------------------------|------------------------------------------|
| Average particle size:  | 10 µm                                    |
| Flexural strength:      | 851 kg/cm <sup>2</sup><br>(12,100 psi)   |
| Compressive strength:   | 1,631 kg/cm <sup>2</sup><br>(23,200 psi) |
| Hardness:               | 62 Shore                                 |
| Electrical resistivity: | 2.9 µΩm<br>(114 µΩin)                    |

#### Applications

- EDMing of fine detailed electrodes requiring excellent surface finishes
- Wire cut electrodes
- Plastic injection molds

### FOR MORE INFORMATION

Please call our Customer Service Center today to learn what our premium graphite and silicon carbide solutions can do for you. Visit [poco.entegris.com/contact-us](http://poco.entegris.com/contact-us) for the location nearest you.

### TERMS AND CONDITIONS OF SALE

All purchases are subject to Poco Graphite's Terms and Conditions of Sale. To view and print this information, visit [poco.entegris.com/terms-and-conditions](http://poco.entegris.com/terms-and-conditions).



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