

# Secondary Synthetic Graphite Powder GS75-E

Technical Data Sheet 28

## Product Overview

GRAF+<sup>TM</sup> GS75-E graphite powder offers high, consistent purity and good lubrication properties.

## Applications

- Conductive polymers
- Friction materials
- Carbon brushes
- Lubricants
- Fuel cells

## Warranted Properties

| Characteristic | Unit        | Value            |
|----------------|-------------|------------------|
| Ash            | % Max       | 0.50             |
| Moisture       | % Max       | 0.50             |
| Sizing         | Tyler Sieve | 99.0%, -200 Mesh |

## Informational Properties (at Room Temperature)\*

| Characteristic  | Unit              | Value |
|---|-------------------|-------|
| <b>Density</b>  |                   |       |
| Apparent Density (Scott)                                | g/cm <sup>3</sup> | 0.280 |
| Real Density (Helium)                                   | g/cm <sup>3</sup> | 2.25  |
| <b>Particle Distribution (Laser Diffraction Method)</b> |                   |       |
| 90%   | µm                | 63    |
| 50%   | µm                | 23    |

(continued on page 2)

## Informational Properties (continued)\*

| Characteristic | Unit | Value |
|----------------|------|-------|
| <b>Purity</b>  |      |       |
| Ash            | %    | 0.20  |
| Moisture       | %    | 0.20  |
| Sulfur         | %    | 0.05  |
| <b>0.05</b>    |      |       |
| Al             | ppm  | 20    |
| Ca             | ppm  | 80    |
| Cr             | ppm  | < 1   |
| Fe             | ppm  | 1300  |
| Mn             | ppm  | 2     |
| Ni             | ppm  | 1     |
| K              | ppm  | < 50  |
| Si             | ppm  | 40    |
| Ti             | ppm  | 22    |
| V              | ppm  | 43    |
| Zn             | ppm  | < 10  |

**Notes:**

\* Informational Properties listed are typical and cannot be used as accept/reject specifications

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