

# GrafTech™ Primary Synthetic Graphite Powder GP55-B

GrafTech International is a global leader in graphite and carbon products. We enable customer leadership better and faster than our competition, through the creation, innovation and manufacture of carbon and graphite material science based solutions.

## Primary Synthetic Graphite Powder GP55-B

High, consistent purity, good lubrication properties

### Typical Applications

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

| Typical Product Properties:  |                   |       |
|------------------------------|-------------------|-------|
| <i>Purity</i>                |                   |       |
| Ash                          | %                 | 0.06  |
| Moisture                     | %                 | 0.02  |
| Sulfur                       | %                 | 0.01  |
| Al                           | ppm               | 6     |
| Ba                           | ppm               | <1    |
| Ca                           | ppm               | 6     |
| Cr                           | ppm               | 2     |
| Cu                           | ppm               | 1     |
| Fe                           | ppm               | 22    |
| Mg                           | ppm               | <1    |
| Mn                           | ppm               | <1    |
| Mo                           | ppm               | <1    |
| Si                           | ppm               | 50    |
| Ti                           | ppm               | 3     |
| V                            | ppm               | 7     |
| <i>Density</i>               |                   |       |
| A.D. (Scott)                 | g/cm <sup>3</sup> | 0.222 |
| Real (Helium)                | g/cm <sup>3</sup> | 2.24  |
| <i>Surface Area</i>          |                   |       |
| BET                          | m <sup>2</sup> /g | 8.0   |
| <i>Particle Distribution</i> |                   |       |
| 90%                          | µm                | <50.0 |
| 50%                          | µm                | <23.0 |

| Guaranteed Values: |       |      |
|--------------------|-------|------|
| Ash                | % max | .02  |
| Moisture           | % max | 0.50 |
| <i>Sizing</i>      |       |      |
| 98.5%              | µm    | <75  |

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