

High-purity silicon carbide powder for semiconductor and electronic applications

High-purity silicon carbide, manufactured using the Acheson process, is utilized in the semiconductor industry for a wide range of components and devices, including wafer boats, paddles, tubes, flanges, and more.

Typical chemistry

| Char. description | Unit | Value |
|----------------------|------|-------|
| Free C | % | 0,09 |
| Free Si | % | 0,03 |
| Total O ₂ | % | 0,04 |
| Al | ppm | 69 |
| Fe | ppm | 125 |
| Ni | ppm | 46 |
| V | ppm | 102 |
| Ti | ppm | 35 |
| B | ppm | 1 |
| Cr | ppm | 1 |
| Cu | ppm | 0,1 |
| S | ppm | 6 |
| Zn | ppm | <0,1 |
| Li | ppm | <0,05 |

Particle size distribution by laser technique

| Char. description | Unit | Value |
|-------------------|------|-------|
| d10% | µm | 111 |
| d50% | µm | 65 |
| d90% | µm | 35 |

Analytical procedures:

All measurement is in accordance to FEPA, ANSI or JIS, or other methods in agreement with customers. Trace element analysis by GDMS

Packaging:

25 kg paper bags

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