



GNPGraystar

Specialty Materials

AN ISO 9001 CERTIFIED COMPANY



TECHNICAL DATA SHEET

Spherical Fused Silica

Typical Chemistry

SiO ₂	≥ 99.3 %
Fe ₂ O ₃	≤ 100 ppm
TiO ₂	≤ 80 ppm
Al ₂ O ₃	≤ 1500 ppm
CaO	≤ 80 ppm
MgO	≤ 80 ppm
Na ₂ O	≤ 100 ppm
K ₂ O	≤ 80 ppm

Ion Content

Na ⁺	≤ 5 ppm
Cl ⁻	≤ 5 ppm
Fe ⁺⁺	≤ 15 ppm

Physical Specifications:

Sphericity	≥ 91 %
Loss on Ignition	≤ 0.1 %
True Density (g/cm ³)	2.20 ± 0.05

Particle Size:

	SSF-002	SSF-005	SSF-007	SSF-010	SSF-020	SSF-040
d50 µm	2 ± 1	5 ± 1	7 ± 2	10 ± 2	20 ± 3	35 ± 5
Cut Point	30 µm	30 µm	45 µm	53 µm	75 µm	90 µm

Description:

GNPGraystar's Spherical Fused Silica Powder has a high rate of sphericity, high purity, and consistent sizing for high-performance applications.

Applications:

GNPGraystar's Spherical Fused Silica Powder is widely used in various industries such as encapsulation of electronic products and chip material, fiber optic cable, special engineering plastics, rubber, ceramic, filler for heat dissipation board (MC board), heat dissipating grease, ink, chemical industry, and many other applications.

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