



GNP Graystar

Specialty Materials

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:

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

Applications:

GNP Graystar'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.

info@GNPGraystar.com

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Northern Office
37 John Glenn Dr.
Amherst, NY 14228
716.759.6600

www.GNPGraystar.com

Southern Office
9 Simmonsville Rd.
Bluffton, SC 29910
843.815.5600