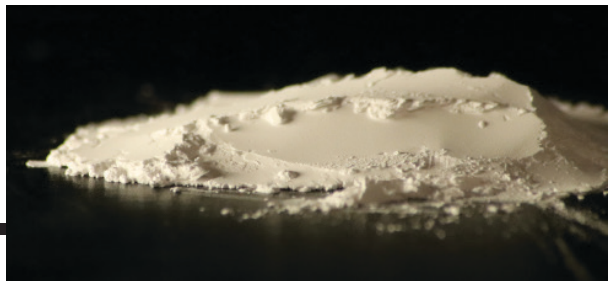
GNPGraystar
Specialty Materials



TECHNICAL DATA SHEET
Spherical Alumina Powders

Typical Chemistry

Aluminum Oxide (Al_3O_3)	≥ 99.8 %
Silicon Dioxide (SiO_2)	0.05 %
Iron Oxide (Fe_2O_3)	0.02 %
Sodium Oxide (Na_2O0	0.02 %
Sodium Ion (Na^+)	50 ppm

Physical Characteristics

Appearance:	White Powder
Whiteness:	90
Specific Gravity:	3.80 g/cm^3
Loss on Ignition (LOI):	≤ 0.10 %
Electrical Conductivity:	10 µS/cm
Spherical Particles Ratio:	≥ 93 %

Typical Sizing Specifications

Product	d50 (µm)	SSA (m^2/g)
2 µm	2 ± 1	0.50 - 1.20
5 µm	5 ± 1	0.20 - 0.40
10 µm	10 ± 2	0.10 - 0.20
15 µm	15 ± 2	0.10 - 0.20
20 µm	20 ± 4	0.07 - 0.15
40 µm	42 ± 5	0.07 - 0.15
50 µm	50 ± 5	0.07 - 0.15
70 µm	73 ± 5	0.06 - 0.13
90 µm	90 ± 5	0.05 - 0.10
120 µm	120 ± 5	0.02 - 0.10

Other/Special Sizing is available upon request.
Actual PSD & SSA also available upon request.

Description:

GNPGraystar's Spherical Alumina is a spherical alumina powder with high thermal conductivity, good heat resistance, high electrical insulation, high hardness, and low abrasity. The spherical nature of this powder allows for high flow-ability and high packing density.

Applications:

GNPGraystar's Spherical Alumina is used in resins, rubbers, and plastics as fillers for thermal conductive sheets, fillers for molding materials, base powder for baking ceramics, blasting materials, and spacers.

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