GNPGraystar
Specialty Materials
AN ISO 9001 CERTIFIED COMPANY

TECHNICAL DATA SHEET
White Fused Mullite

Typical Chemistry

	Typical	Guaranteed
Aluminum Oxide (Al_2O_3)	76.00 %	76 ± 1 %
Silicon Dioxide (SiO_2)	23.50 %	23.5 ± 1 %
Iron Oxide (Fe_2O_3)	0.06 %	0.10 % max.
Titanium Dioxide (TiO_2)	0.01 %	0.02 % max.
Calcium Oxide (CaO)	0.02 %	0.05 % max.
Sodium Oxide (Na_2O)	0.06 %	0.10 % max.

Physical Characteristics

Mullite Phase:	93 %
α - Al_2O_3 Phase:	3 %
Glassy Phase:	4 %
Specific Gravity:	3.16 g/cm^3
Porosity:	6 %
Max Use Temperature:	1700°C

Available Sizing

3-5 mm, 1-3mm, 0.5-1 mm, 0-1 mm, 0-0.5 mm, 0-0.1 mm, 200/F, 325 F

Other sizes are available upon request.

Description:

GNPGraystar's White Fused Mullite is made of high-purity raw materials in electric arc furnaces. The grain is characteristics by grayish color and high chemical purity. This material has low thermal expansion, outstanding thermal shock resistance, and corrosion resistance.

Applications:

GNPGraystar's White Fused Mullite is used in the investment casting, for producing refractories for the steel industry for the production of high purity mullite blocks for glass melting furnaces, for kiln furniture, and many other applications.

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