GNPGraystar
Specialty Materials
AN ISO 9001 CERTIFIED COMPANY

TECHNICAL DATA SHEET
Fused Zirconia Mullite

Typical Chemistry

	Typical	Guaranteed
Aluminum Oxide (Al_2O_3)	46.0 %	44.5 - 47.0 %
Silicon Dioxide (SiO_2)	17.5 %	16.0 - 18.0 %
Zirconium Oxide (ZrO_2)	36.5 %	34.0 - 38.5 %
Iron Oxide (Fe_2O_3)	0.10 %	0.20 % max.
Titanium Dioxide (TiO_2)	0.09 %	0.18 % max.
Sodium Oxide (Na_2O)	0.20 %	0.25 % max.

Physical Characteristics

Specific Gravity:	3.94 g/cm^3
α - Al_2O_3 Phase:	4 %
Glassy Phase:	1750°

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 Fused Zirconia Mullite is made of high purity raw materials in electric arc furnaces. The grain is characterized by high chemical purity, low thermal expansion, and high thermal shock resistance.

Applications:

GNPGraystar's Fused Zirconia Mullite is an excellent material for refractory applications such as glide gates, nozzles, and special refractory parts for the glass industry.

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