



Texan Minerals and Chemicals LLC

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SILLIMANITE SAND SPECIFICATIONS

CHEMICAL ANALYSIS:

i) Guaranteed:

Al₂O₃ 58.00 % (Min)

ii) Typical:

Al ₂ O ₃	58.00 %
SiO ₂	37.10 %
ZrO ₂	2.20 %
TiO ₂	0.25 %
Fe ₂ O ₃	0.40 %

SIEVE ANALYSIS (Typical):

Mesh (Tyler Scr.)	Sieve openings (microns)	Weight (%) retained
48	300	0.7
65	212	11.3
100	150	55.8
150	106	29.6
170	90	0.9
200	75	1.5
-200	-75	0.2

SILLIMANITE FLOUR IS ALSO AVAILABLE IN SIZE RANGE OF 5-40 MICRONS

Specific gravity: 3.20 – 3.25

Flammability: Not flammable

Bulk density, Kg/m³: 1950 – 2050

Melting point: 1850 °C

Hardness, (MOH's): 6.0 – 7.0

Mullite transformation: 1350-1550 °C

Solubility in water: Insoluble

Moisture: 0.5 %

Monazite content level: 0.06%

Chloride level: 4.0 ppm

Radiation level: Below detection level (BDL)

- Note:**
- 1 Sillimanite being a natural product, its chemical analysis is expected to vary.
 - 2 Variation in the size of grains occur from time to time. Although not guaranteed, the grain size distributions can be expected to be within the above range.

Packaging: Packed in 1 MT (2204.6 lbs) Jumbo bags.