

**S-510 Si<sub>3</sub>N<sub>4</sub>, 99.9% White Gray Granules 3~10mm.**

Melting Point	1950 <sup>0</sup> C (Sublimation)
Transmission Range	0.25-9 micron
Refractive Index	n=2 (500nm)
Density	2.9 g/cm <sup>3</sup>
Evaporation Temperature	1900 <sup>0</sup> C
Substrate Temperature	150-250 <sup>0</sup> C
Recommended Source	graphite crucible by electron beam gun. Molybdenum boat by resistance source.

This is a high index nitride material. It forms very durable and thick film in the visible.

**Application:** Good for cutting tool coating and possible use in the A.R. coating.

