

## List of Fully Dense Silicon Nitride grades available

Name	Additives	Processing	Cost Level
GPSSN	Alumina/Yttria	CIP; Green Machining; GPS	Low-Med
GPSSN-HIP GPSSN-HP	Alumina/Yttria Alumina/Yttria	CIP; Green Machining; GPS; HIP HP	Med Med-High
GPSSN-SC	Alumina/Yttria	Slip Casting; Green Machining; GPS	Low-Med
HPSN-High Purity HIPSN-High Purity	Alumina/Yttria (low content) Alumina/Yttria (low content)	HP CIP; Green Machining; GPS; HIP	High High
HPSN-AM	Alumina/Magnesia (low content)	HP	High
Si-Al-O-N $\beta$	Silicon Nitride/Alumina/Yttria	Various	Low-Med
Si-Al-O-N $\alpha$	Silicon Nitride/Alumina/Yttria	Various	Med

## List of Silicon Nitride Composites grades

Name	Additives	Processing
SN/ZrO <sub>2</sub>	Alumina/Yttria	CIP; Green Machining; GPS
SN/TiN (EiSiN) HPSN/TiN (EiSiN)	Alumina/Yttria Alumina/Yttria	CIP; Green Machining; GPS HP

SN/TiN is an electrically conductive Silicon Nitride; EDM'able

**We additionally evaluate new grades e.g. with lower additives and higher thermal conductivity**