

## SILICON NITRIDE PROTECTION TUBE

| ITEMS                                  | DATA                  |
|----------------------------------------|-----------------------|
| Sintering method                       | gas pressure sinter   |
| Density                                | >3.2g/cm <sup>3</sup> |
| Si <sub>3</sub> N <sub>4</sub> content | >92%                  |
| Flexural strength                      | >750Mpa               |
| Compressive strength                   | >1500Mpa              |
| Thermal conductivity (W/mk)            | >22                   |
| Porosity                               | 0                     |
| Thermal expansion coeff. (RT-1000°C)   | 3.2                   |
| Max temperature in air                 | 1400°C                |
| Hardness (HRA)                         | >92                   |