

## Si3N4&SiC (NSiC) PROTECTION TUBE

| ITEM                               | DATA               | INDEX     |
|------------------------------------|--------------------|-----------|
| SiC                                | %                  | ≥74.5     |
| Si3N4                              | %                  | ≥23.0     |
| Fe2O3                              | %                  | <1.0      |
| Bulk Density                       | g / m <sup>3</sup> | 2.77-2.82 |
| Porosity                           | %                  | 10-12     |
| Compression Strength               | MPa                | 600-700   |
| Bending Strength                   | MPa                | 160-180   |
| Young's Modulus                    | GPa                | 220-260   |
| Thermal Conductivity               | W/MK               | 15        |
| Thermal Expansion α<br>(20-1000°C) | 10-6K-<br>1        | 5.0       |
| Max. Working Temperature           | °C                 | 1550      |