

Table. Main Powder Characteristics of DENKA SILICON NITRIDE POWDER

項目	グレード	$\alpha$ -Type			$\beta$ -Type	
		SN-7	SN-9S	SN-9FWS	SN-F1	SN-F2
$\alpha$ -Phase Content	(%)	73	91	91	<5	<5
d50	( $\mu\text{m}$ ) <sup>*</sup>	4.3	1.1	0.7	2.4	28.4
Specific Surface Area	( $\text{m}^2/\text{g}$ ) <sup>**</sup>	5	7	12	3	1
Fe	(ppm)	2000	2000	160	2000	2000
Al	(ppm)	2000	1000	900	1000	1000
Ca	(ppm)	2000	2000	1000	1000	1000
Cl	(ppm)	1	1	1	1	1
F	(ppm)	70	70	70	1	1
C	(%)	0.3	0.1	0.1	-	-
O	(%)	1.5	1.5	0.8	-	-
Specific Gravity		3.18			3.19	
Thermal Stability		Sublimating at 1900°C				
External Appearance		Gray or Light-gray Powder				

Values in the table are representative values and not standard values.

\* Average Particle Size : measured data by LASER diffraction, dispersion method (micro

\*\* Specific Surface area : measured data by BET method