DENKA SILICON NITRIDE

TECHNICAL INFORMATION No.14

DENKA SILICON NITRIDE POWDER

DENKA SILICON NITRIDE POWDER are used by quite a few customers as de facto standard grades of direct nitridation powder. We have grades for each customer's requirements from coarse powder to super fine powder with average particle size sub micron.

Table. Main Powder Characteristics of DENKA SILICON NITRIDE POWDER

	α	type (Sample Data)
	SN-9S	SN-9FWS
α -Phase (%) Content	91	91
d50 (µ m)*1	1.1	0.7
Specific (m²/g)*2	6	11
Fe (ppm)	2,000	160
Al (ppm)	1,000	900
Ca (ppm)	2,000	1,000
C (%)	0.1	0.1
O (%)	1.5	0.8
Specific Gravity	3.18	
Thermal Stability	Sublimating at 1900°C	
External Apperance	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 track)
- ** Specific Surface area: measured data by BET method

NOTICE

The information contains in this brochure is presented for the purpose of generally advising potential customers of Denka about the basic description, properties and characteristics of various Denka products (hereafter,"Production Information"). Denka makes no warranty or representation as to the entire accuracy or completeness of the Product Information in this

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Denka reserves the right to change Product Information from time to time at its discretion and without notice.

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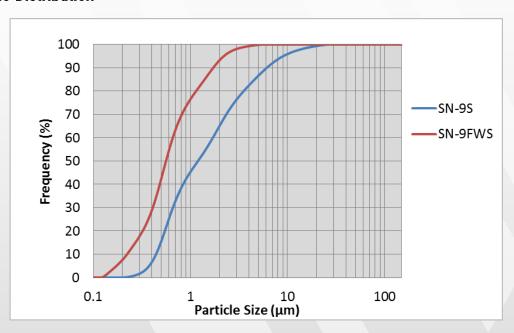


DENKA SILICON **NITRIDE**

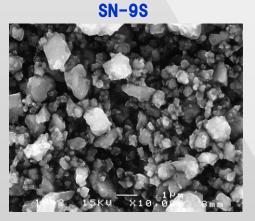
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◆Particle Distribution



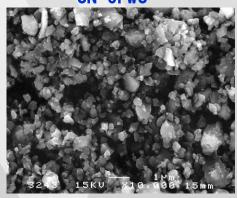
◆SEM Image



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SN-9FWS



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