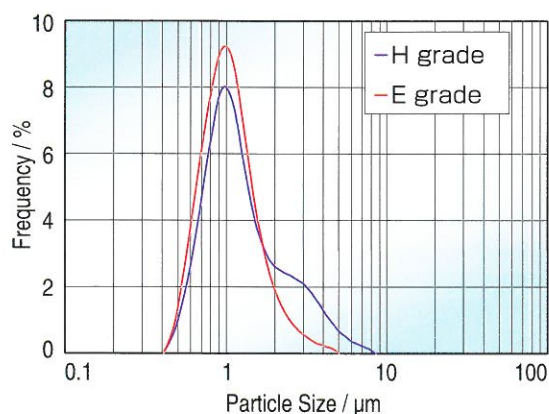


Powder & Granule

- High purity powder which is obtained by Carbo-thermal reduction process
- Many achievements and a wide variety of applications
- Quality product by feedback from our own ceramics production

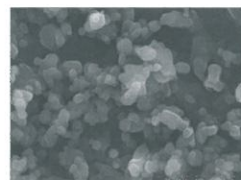
1-1 High purity Aluminum Nitride Powder

Particle size distribution of AlN Powder



- High purity
- Sharp distribution
- High sinterability

SEM of AlN Powder H grade

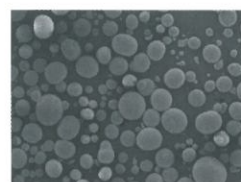


Item		H grade	E grade
Specific surface area (m ² /g)		2.50 ~ 2.68	3.27 ~ 3.47
Mean particle size (μ m)		1.07 ~ 1.17	0.96 ~ 1.07
Impurity	O (wt%)	0.78 ~ 0.86	0.79 ~ 0.88
	C (ppm)	130 ~ 270	220 ~ 320
	Ca (ppm)	200 ~ 240	10 ~ 22
	Si (ppm)	39 ~ 48	9 ~ 13
	Fe (ppm)	10 ~ 14	2 ~ 9

1-2 High purity Aluminum Nitride Granule

Properties	Units	H-T grade
Mean particle size	μm	75
Bulk density	g/cm ³	0.97
Tap density	g/cm ³	1.09
Relief angle	°	31

SEM of AlN Granule H-T grade

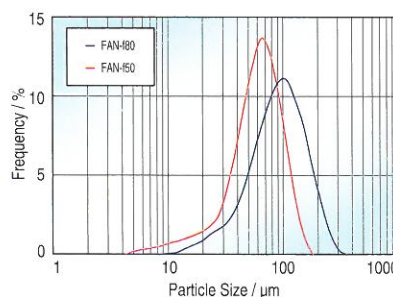


- Granuled with sintering additives and organic binder
- Ready for press as delivered • Granule without sintering additives available

1-3 Sintered Aluminum Nitride Powder

Grade	Units	FAN-f50	FAN-f80
Particle shape		Spherical shape	Spherical shape
Mean particle size	μm	35 ~ 60	65 ~ 90

- Sintered AlN Granule (H-T grade)
- For filler



Spherical shape (e.g.: FAN-f80)

