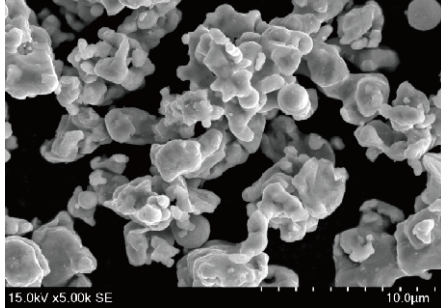


## Grade SFN-08D

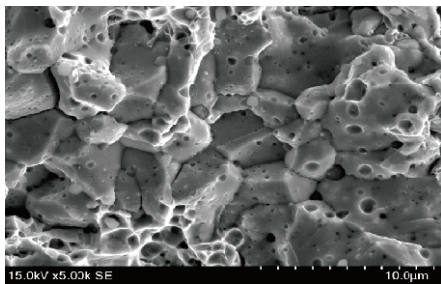
### SEM-VIEW



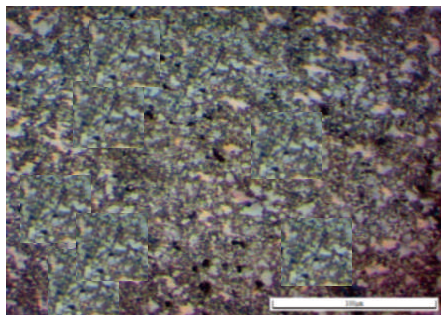
### Physical Properties

	D10	2.40-3.60
Particle Size Distribution (µ m)	D50	4.40-6.40
	D90	7.60-10.70
	Apparent Density (g/cm <sup>3</sup> )	
Theoretical Density (g/cm <sup>3</sup> )		7.95

### Sintered Shape 850°C



### Metallographic Analysis 750°C



Features and recommendations:

- Good cutting and grinding properties, low deflection.
- Replacing Cobalt, has even organization structure
- For core drill, medium saw blade and wire saw, can be added in large proportion.

### Chemical Analysis 化学分析

	(%)
Fe	Main Component
Cu	9.5-10.5
P	0.5-0.9
Ni	2.3-3.3

### Sintering Physical Properties

Sintering Temp (°C)	Density (%)	Hardness (HRB)	Bending Strength (MPa)
700	93.58	84.8	978.3
750	95.97	91.0	1121.7
800	96.73	98.0	1296.7
850	97.61	101.5	1233.3
900	97.48	102.4	1235.0

