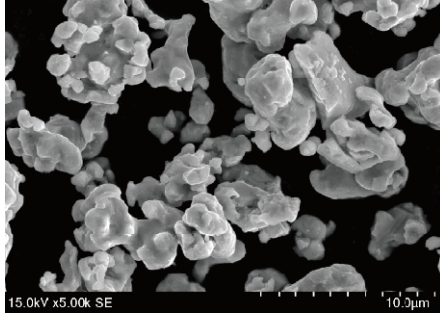


Grade SFN-08C

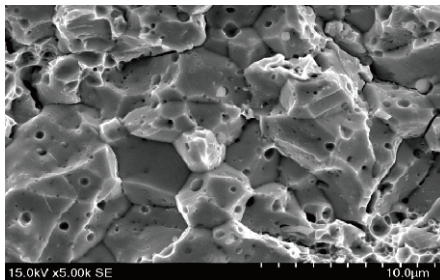
SEM-VIEW



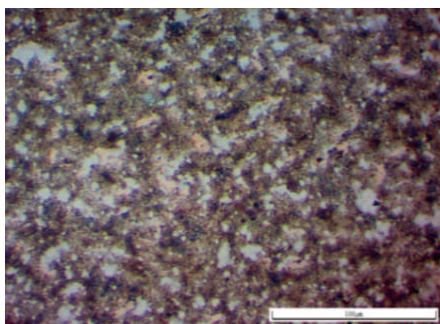
Physical Properties

	D10	2.40-3.60
Particle Size Distribution (µ m)	D50	4.40-6.40
	D90	7.60-10.70
	Apparent Density (g/cm ³)	
Theoretical Density (g/cm ³)		7.93

Sintered Shape 850°C



Metallographic Analysis 850°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 (%)

Element	Percentage (%)
Fe	Main Component
Cu	9.5-10.5
P	0.8-1.2
Ni	2.3-3.3

Sintering Physical Properties

Sintering Temp (°C)	Density (%)	Hardness (HRB)	Bending Strength (MPa)
700	94.45	89.7	1018.3
750	96.97	99.5	1326.7
800	96.72	101.2	1441.7
850	96.97	102.7	1403.3
900	96.85	106.4	1118.3

