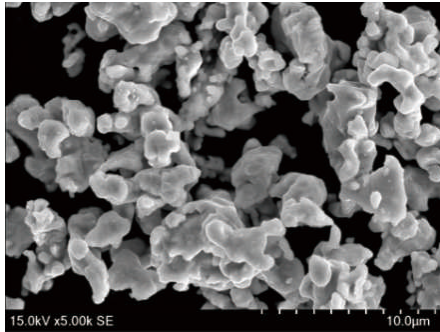


Grade  
**SFN-08B**

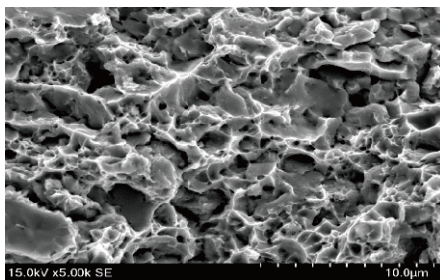
SEM-VIEW



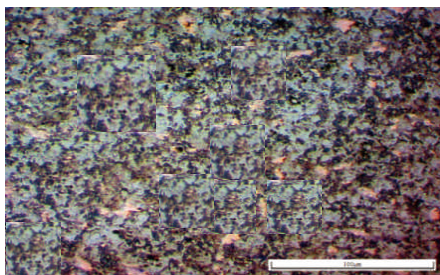
Physical Properties

	D10	1.50-3.50
Particle Size Distribution (µm)	D50	4.80-6.20
	D90	7.60-10.00
	Apparent Density (g/cm <sup>3</sup> )	
Theoretical Density (g/cm <sup>3</sup> )		7.90

Sintered Shape 750°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	0.8-1.2

Sintering Physical Properties

Sintering Temp (°C)	Density (%)	Hardness (HRB)	Bending Strength (MPa)
700	93.42	88.4	933.3
750	95.19	96.1	1218.3
800	97.59	102.8	1455.0
850	97.47	103.6	1495.0
900	97.59	104.5	1471.7

