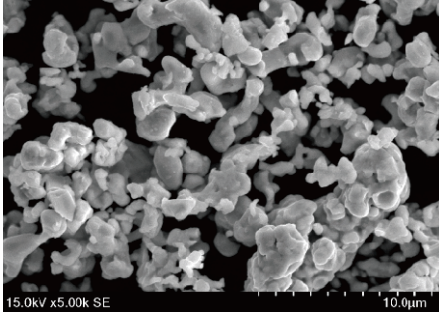


Grade  
**SFN-08A**

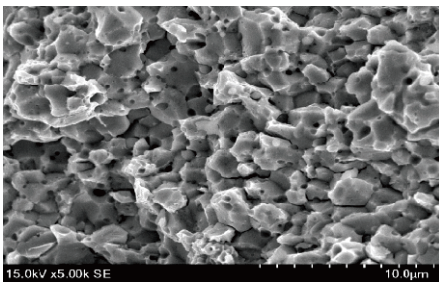
SEM-VIEW



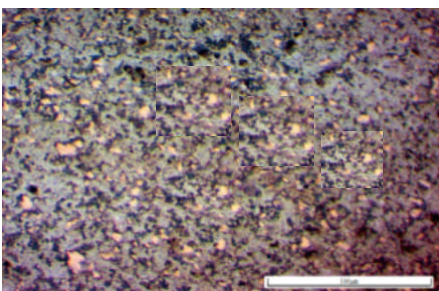
Physical Properties

	D10	0.50-1.90
Particle Size Distribution (µ m)	D50	2.10-3.30
	D90	3.50-6.50
	Apparent Density (g/cm <sup>3</sup> )	
Theoretical Density (g/cm <sup>3</sup> )		7.90

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

	(%)
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	93.80	92.5	811.7
750	96.33	103.1	1253.3
800	96.71	105.5	1600.0
850	96.58	105.5	1620.0
900	96.33	106.0	1558.3

