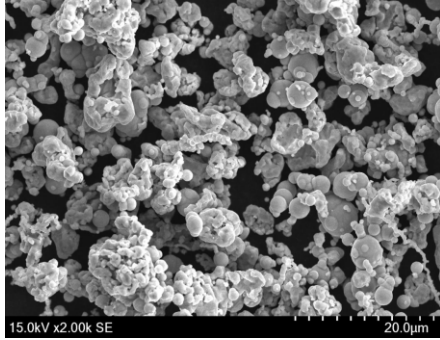


Grade
SFN-06

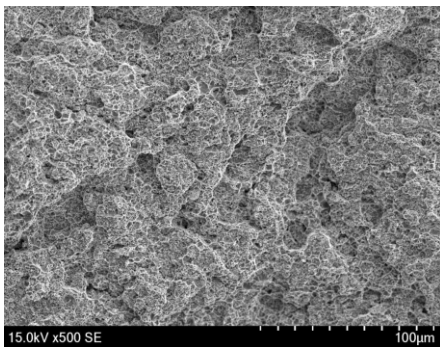
SEM-VIEW



Chemical Analysis	(%)
Fe	Main Component
Ni	25.0

Physical Properties		
Particle Size Distribution (µm)	D10	0.80-3.50
	D50	3.80-7.20
	D90	7.50-9.50
Apparent Density (g/cm ³)	0.80-2.00	
Theoretical Density (g/cm ³)	8.12	

Sintered Shape: 900°C



- Can replace **Co, Ni**
- High bending strength
- Ultra high bonding strength

Sintering Physical Properties

Sintering Temp (°C)	Density (g/cm ³)	Hardness (HRB)	Bending Strength (MPa)
700	7.67	92.5	1333.3
750	7.81	99.8	1360.0
800	7.78	103.2	1538.3
850	7.87	102	1940.0
900	7.94	99.3	2273.3
950	7.89	96.7	1846.7

The Best Sintering Range: 800-900°C

The Min. Temperature in Use: 750°C

The Max. Hardness: 104.5HRB

The Max. Bending Strength: 2520.0MPa

