

#### Description:

Ancorsteel® FLD-49DC is a nickel-containing molybdenum alloy steel powder developed for sinter-hardening applications. This alloy conforms to MPIF Material Standard 35, designation FLDN2-4908. The nickel is diffusion-alloyed to the molybdenum pre-alloyed powder during processing to maintain the compressibility of the base powder while enabling small and medium size parts to be sinter-hardened efficiently. This material maintains density during sintering, with minimal part growth from the green state.

#### TYPICAL ANALYSIS AND PROPERTIES

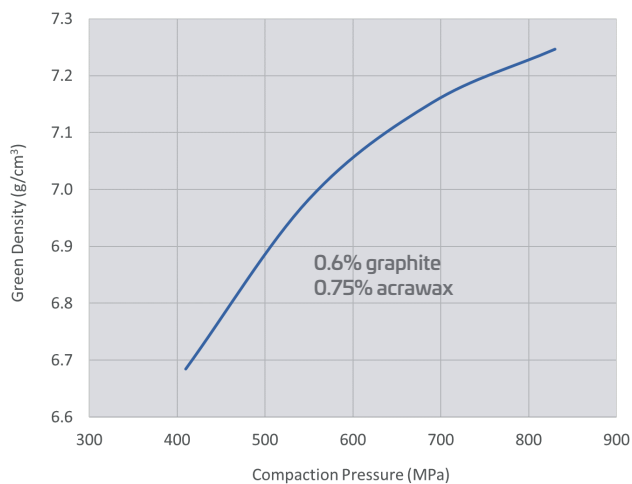
##### Nominal Chemistry (weight %)

C	Ni	Mn	Mo	Oxygen
< 0.01	2.0	0.15	1.50	< 0.15

##### Sieve Distribution (weight %)

Micrometers	+ 250	+ 150	-150/+45	- 45
U.S. Standard Mesh	(+ 60)	(+ 100)	(- 100/+ 325)	(-325)
	Trace	10	70	20

#### Compressibility



#### Green Strength

