

## Alloy 20

### Material Data Sheet

Wilfley pumps and parts are available in Alloy 20 (CN-7M).

CN-7M is an iron base nickel chromium molybdenum alloy commonly used in sulfuric acid applications and other highly corrosive services.

### Mechanical Properties

Specification	Hardness HBN (Typical)	Tensile Strength	Yield Strength	Elongation
A743, Grade CN7M	125-160	62,000 psi	25,000 psi	35%

### Chemical Composition (weight %)

C 0.07	P 0.04 max
Cr 19.00-22.00	S 0.04 max
Ni 27.5-30.5	Si 1.50 max
Mo 2-3 max	Mn 1.50 max
Cu 3-4	Fe balance