



440CNb

composition
after sintering

C%	Cr%	Ni%	Mo%	Nb%	Si%	Mn%	P%	S%	Fe%
0.95-1.25	16.0-18.0	≤0.60	≤0.75	2.5-3.5	≤1.0	≤1.0	≤0.04	≤0.03	balance

standards

Nb-modified UNS S44004,AISI 440C;SAE 51440 C;
DIN1.4125,X105CrMo 17

as sintered

Density\g/cm³

≥7.6

Characteristic

Yield Strength R_{P0.2}\Mpa

≥750 (850)

Properties

Ultimate Tensile Strength\Mpa

≥1150 (1250)

(Typical values are
shown in bracket)

Elongation\%

≥1.0

Hardness\HRC

≥40