



440C

composition
after sintering

| C% | Cr% | Ni% | Si% | Mn% | P% | Mo | S% | Fe% |
|----------|-----------|-------|------|------|-------|-------|-------|---------|
| 0.95-1.2 | 16.0-18.0 | ≤0.60 | ≤1.0 | ≤1.0 | ≤0.04 | ≤0.75 | ≤0.03 | balance |

standards

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

as sintered

Characteristic Properties

(Typical values are
shown in bracket)

Density\g/cm³

≥7.6

Yield Strength R_{P0.2}\Mpa

≥750 (850)

Ultimate Tensile Strength\Mpa

≥1150 (1250)

Elongation\%

≥1.0

Hardness\HRC

≥40