



1.4418

composition
after sintering

C%	Si%	Mn%	S%	P%	Cr%	Ni%	Mo%	N%
≤0.06	≤0.7	≤1.5	≤0.03	≤0.04	15.0-17.0	4.0-6.0	0.8-1.5	≥0.02

standards

DIN 1.4418

as sintered

QT900

Density\g/cm³

≥7.6(7.7)

Characteristic
Properties
(Typical values are
shown in bracket)

Yield Strength R_{P0.2}\Mpa

≥720

≥700

Ultimate Tensile
Strength\Mpa

≥900

≥900

Elongation\%

≥11

≥11

Hardness\HV0.3

290

340

48h neutral salt spray test qualified

corrosion resistance