



430FR

composition
after sintering

Fe%	C%	Mn%	Si%	Cr%	Ni%	Mo%	P%
Bal.	≤0.065	≤0.8	1.0-1.5	17.25-18.25	≤0.6	≤0.5	<0.03

standards

ASTM A838 430FR

as sintered

Characteristic

Properties

(Typical values are
shown in bracket)

Density\g/cm³

≥7.55

Yield Strength R_{P0.2}\Mpa

≥280 (300)

Ultimate Tensile Strength\Mpa

≥400 (450)

Elongation\%

≥20 (25)

Hardness\HV0.3

130-190