



316L

composition
after sintering

Ni%	Cr%	C%	Mo%	Mn%	Si%	Fe%
10.0-14.0	16.0-18.0	≤0.03	2.0-3.0	≤2.0	≤1.0	balance

standards

GB 022Cr17Ni12Mo2 ; DIN1.4404, X 2 CrNiMo 17 13
2 AISI 316L; UNS S31603 ; MPIF MIM-316L

as sintered

Characteristic
Properties

(Typical values are
shown in bracket)

Density\g/cm ³	≥7.8(7.85)
Yield Strength R _{P0.2} \Mpa	≥160 (180)
UltimateTensile Strength\Mpa	≥480 (520)
Elongation\%	≥50
Hardness\HV0.3 Relative	120-180
permeability	≤1.01
Corrosion resistance	48h neutral salt spray test qualified