

316L SS	EU: 1.4404	UNS: S31603
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Composition:

Element	Weight percentage
Fe	Balance
Cr	16-18
Ni	10-14
Mo	2-3
Mn	<2
N	<0.1
Si	<0.75
P	<0.045
C	<0.03
S	<0.03

Properties by Sculpteo production process

Mechanical	UTS (as build)	650 MPa ± 50 MPa
	Yield strength (Rp0.2%)	550 MPa ± 50 MPa
	Elongation at break	45 %
	Young's modulus	170 GPa
	Notched Charpy	30 J/cm ²
Thermal	Conductivity (20°)	16.2 W/m*K
	Specific heat cap (20°)	500 J/kg*K
	Melting Point	1380°C