



## Chemical Composition Chart

Grade	C	Mn	P	S	Si	Cr	Ni	Mo	N	Cu	Fe	Al	Ti	B	Co	W	Other
<b>Alloy 316L</b>	0.08 max	2.00 max	0.04 max	0.03 max	0.75 max	16.0-18.0	10.0-15.0	2.00-3.00	...	...	...	...	...	...	...	...	...
<b>Alloy 317L</b>	0.035 max	2.00 max	0.04 max	0.03 max	0.75 max	17.0-20.0	11.0-15.0	3.0-4.0	...	...	...	...	...	...	...	...	...
<b>Nitronic 50® / (XM-19)</b>	0.06 max	4.0-6.0	0.045 max	0.03 max	1.00 max	20.5-23.5	11.5-13.5	1.50-3.00	0.20-0.40	...	...	...	...	...	...	...	V 0.10-0.30
<b>254 SMO®</b>	0.02 max	1.00 max	0.03 max	0.01 max	0.8 max	19.5-20.5	17.5-18.5	6.0-6.5	0.18-0.22	...	...	...	...	...	...	...	Cu 0.50-1.00
<b>Alloy 20</b>	0.07 max	2.00 max	0.045 max	0.035 max	1.00 max	19.0-21.0	32.0-38.0	2.0-3.0	...	...	...	...	...	...	...	...	...
<b>Nickel 200</b>	0.15 max	0.35 max	...	0.01 max	0.35 max	...	99.0 min	...	...	0.25 max	0.40 max	...	...	...	...	...	...
<b>Nickel 201</b>	0.02 max	0.35 max	...	0.01 max	0.35 max	...	99.0 min	...	...	0.25 max	0.40 max	...	...	...	...	...	...
<b>Monel® 400</b>	0.3 max	2.0 max	...	0.024 max	0.5 max	...	63.0 max	...	...	28.0-34.0	...	...	...	...	...	...	...
<b>Inconel® 600</b>	0.15 max	1.0 max	...	0.015 max	0.5 max	14.0-17.0	72.0 min	...	...	0.5 max	6.0-10.0	...	...	...	...	...	...
<b>Inconel® 601</b>	0.10 max	1.0 max	...	0.015 max	0.5 max	21.0-25.0	58.0-63.0	...	...	1.0 max	Balance	1.0-1.7	...	...	...	...	...
<b>Inconel® 625</b>	0.10 max	0.50 max	0.015 max	0.015 max	0.50 max	20.0-23.0	58.0 min	8.0-10.0	...	0.30 max	5.0 max	0.40 max	0.40 max	...	1.0 Max	...	Nb+Ta 3.15-4.15
<b>Inconel® 718</b>	0.08 max	0.35 max	0.015 max	0.015 max	0.35 max	17.0-21.0	50.0-55.0 + Co	2.8-3.3	...	0.1 max	Balance	0.20-0.80	0.65-1.15	0.006 max	1.0 Max	...	Nb+Ta 4.75-5.50
<b>Incoloy® 800</b>	0.10 max	1.5 max	...	0.015 max	1.0 max	19.0-23.0	30.0-35.0	...	...	0.75 max	39.5 min	0.15-0.60	0.15-0.60	...	...	...	...
<b>Incoloy® 800H</b>	0.05-0.10	1.5 max	...	0.015 max	1.0 max	19.0-23.0	30.0-35.0	...	...	0.75 max	39.5 min	0.15-0.60	0.15-0.60	...	...	...	...
<b>Incoloy® 800HT</b>	0.06-0.10	1.5 max	...	0.015 max	1.0 max	19.0-23.0	30.0-35.0	...	...	0.75 max	39.5 min	Al+Ti 0.85-1.20	...	...	...	...	...
<b>Incoloy® 825</b>	0.05 max	1.0 max	...	0.03 max	0.5 max	19.5-23.5	38.0-46.0	2.5-3.5	...	1.5-3.0	22.0 min	0.2 max	0.6-1.2	...	...	...	...
<b>Alloy 904L</b>	0.020 max	2.0 max	0.045 max	0.035 max	1.00 max	19.0-23.0	23.0-28.0	4.0-5.0	...	1.0-2.0	Balance	...	...	...	...	...	...
<b>Hastelloy® C-276</b>	0.010 max	1.0 max	0.04	0.03	0.08	14.5-16.5	Balance	15.0-17.0	...	...	4.0-7.0	...	...	...	2.5 max	3.0-4.5	V 0.35 max
<b>AL-6XN®</b>	0.030 max	2.00 max	0.040 max	0.030 max	1.00 max	20.0-22.0	23.50-25.50	6.00-7.00	0.18-0.25	0.75 max	Balance	...	...	...	...	...	...
<b>Duplex 2205</b>	0.030 max	2.00 max	0.030 max	0.020 max	1.00 max	21.0-23.0	4.5-6.5	2.5-3.5	0.08-0.20	...	...	...	...	...	...	...	...
<b>Super Duplex 2507</b>	0.030 max	1.20 max	0.035 max	0.020 max	0.80 max	24.0-26.0	6.0-8.0	3.0-5.0	0.24-0.32	0.50 max	...	...	...	...	...	...	...
<b>Titanium</b>	0.10 max	...	...	...	...	...	...	...	0.03 max	...	0.3 max	...	Balance	...	0.015	0.25	Min. Ti 98.885

Compositions are for reference only, and should not be used to determine the suitability of a material for a specific application.