



Ameritube is pleased to offer the following products for our customers. With an attention to detail, adherence to the highest of quality standards and auditing of our suppliers, Ameritube is confident that these products will be of great use to you for your specific applications. As always, we believe that reliable supply and competitive pricing is a function of the supplier customer relationship and can only be improved by greater cooperation across the supply chain.

Nickel Alloy Grade Chart

Alloy Group	Alloy UNS No*	WNR	Chemical Analysis %										Density		Temper**	Tensile Rm (min)		Yield Rp 0.2% (min)		Elong. % min	Hardness HV		
			C	Mn	Ni	Cr	Fe	Mo	Ti	Nb	N	Other	g/cm ³	lb/in ³		ksi	MPa	ksi	MPa				
Stainless Steel	304L S30403	1.4036	0.035 max	2.0 max	8.0-11.0	18.0-20.0	bal								7.93	0.286	ANN	70	485	25	170	35	200 max
	316L S31603	1.4404	0.035 max	2.0 max	10.0-13.0	16.0-18.0	bal	2.0-2.5							7.93	0.286	ANN	70	485	25	170	35	200 max
		2.5-3																					
	347 S34700	1.4546	0.080 max	2.0 max	9.0-12.0	17.0-19.0	bal			10XC-1.00			-0.600	7.93	0.286	ANN	75	515	30	205	35	200 max	
	Duplex S31803	1.4462	0.030 max	2.0 max	4.5-6.5	21.0-23.0	bal	2.5-3.5				0.08-0.20			7.8	0.281	ANN	90	620	65	450	25	290 max
	Super Duplex S32750	1.441	0.030 max	1.2 max	6.0-8.0	24.0-26.0	bal	3.0-5.0				0.24-0.32	Cu 0.5 max		7.79	0.28	ANN	116	800	80	550	15	310 max
Super Duplex S32760	1.4501	0.020	1.0 max	6.0-8.0	24.0-26.0	bal	3.0-4.0				0.24-0.32	Cu 0.50 W 0.50		7.70	0.278	ANN	109	750	73.5	507	35	310 max	
Nickel Alloys	Alloy 200 N02200	2.4065	0.15 max	0.4 max	99.0 min		0.4 max							Cu 0.25 max	8.9	0.321	ANN	75	515	15	105	33	150 max
	Alloy 276 N102276	2.4819	0.02 max	1.0 max	bal	14.5-16.5	4.0	15.0-17.0						W 3.0-4.5	8.9	0.321	ANN	100	690	41	283	40	210 max
	Alloy 400 N04400	2.4360	0.30 max	2.0 max	63.0-70.0		2.5 max							Cu bal	8.83	0.319	ANN	70	480	28	195	35	180 max
	Alloy 600 N06625	2.4816	0.15 max	1.0 max	72.0 min	14.0-17.0	6.0-10.0							Cu 0.50 max	8.42	0.304	ANN	80	550	35	240	30	300 max
	Alloy 625 N06625	2.4856	0.10 max	0.5 max	bal	20.0-23.0	5.0 max	8.0-10.0	0.40 max	3.15-4.15	0.40 max				8.44	0.305	ANN	120	827	60	414	30	260 max
	Alloy 800 N08800	1.4876	0.15 max	1.5 max	30.0-35.0	19.0-23.0	39.5 min			0.15-0.60		0.15-0.60		Cu 0.75 max	8	0.289	ANN	75	517	30	207	30	200 max
	Alloy 800H N08810	1.4876	0.05-0.10	1.5 max	30.0-35.0	19.0-23.0	39.5 min			0.15-0.60		0.15-0.60		Cu 0.75 max	8.08	0.292	ANN	75	517	30	207	30	200 max
	Alloy 800HT N08811	1.4876	0.06-0.10	1.5 max	30.0-35.0	19.0-23.0	39.5 min			0.15-0.60		0.15-0.60		Al + Ti 0.85-1.20	7.94	0.287	ANN	75	517	30	207	30	200 max
	Alloy 825 N08825	2.4858	0.05 max	1.0 max	38.0-46.0	19.5-23.5	bal	2.5-3.5	0.6-1.20		0.20 max		Cu 1.5-3.0		8.1	0.292	ANN	85	586	35	241	30	209 max

For sizes not shown on this chart, please inquire about availability.



Ameritube is a certified ISO 9001 organization.