

# NDT Supply.com, Inc.

7952 Nieman Road  
Lenexa, KS 66214-1560 USA



## Alloy Samples

Alloy Samples can be provided individually or in sets from materials listed in the attached tables.

These are special order items.

# Alloys

UNS	Material	Density (g/cm <sup>3</sup> )	UNS	Material	Density (g/cm <sup>3</sup> )	UNS	Material	Density (g/cm <sup>3</sup> )
<b>Aluminum &amp; Aluminum Alloys</b>			<b>Copper &amp; Copper Alloys</b>			<b>Copper &amp; Copper Alloys (cont'd)</b>		
A03190	Al 319	2.79	C10100	CDA 101 OFE	8.89	C85200	CDA 852	
A03191	Al 319.1		C10200	CDA 102 OFE	8.89	C85400	CDA 854 Leaded Yellow	8.45
A03192	Al 319.2		C10300	CDA 103	8.89	C85700	CDA 857	
A03330	Al 333		C11000	CDA 110 ETP	8.89	C86200	CDA 862	
A03331	Al 333.1	2.70	C11400	CDA 114 STP	8.91	C86300	CDA 863 Mn Bronze	7.70
A03550	Al 355	2.71	C12200	CDA 122 DHP	8.94	C86400	CDA 864	
A03552	Al 355.2	2.68	C15100	CDA 151		C87500	CDA 875	
A03561	Al 356.1		C17200	CDA 172	8.23	C90300	CDA 903 Tin Bronze	8.80
A03562	Al 356.2	2.68	C17300	CDA 173		C90500	CDA 905	8.73
A03600	Al 360		C18200	CDA 182		C90700	CDA 907	8.80
A03800	Al 380		C19400	CDA 194 HSM	8.78	C91600	CDA 916	
A03900	Al 390		C19500	CDA 195		C92200	CDA 922	8.64
A04432	Al 443.2		C22000	CDA 220 Com. Bronze	8.80	C92700	CDA 927	8.80
A05142	Al 514.2		C23000	CDA 230 Red Brass	8.75	C93200	CDA 932	8.91
A05352	Al 535.2		C26000	CDA 260 Cartridge Br.	8.53	C93700	CDA 937	8.95
A07720	Al 772.0		C26800	CDA 268 Yellow Brass	8.47	C94400	CDA 944	
A91100	Al 1100	2.71	C27200	CDA 272		C95300	CDA 953	
A91145	Al 1145		C27400	CDA 274		C95400	CDA 954 Al Bronze 9L	7.45
A92011	Al 2011	2.82	C28000	CDA 280 Muntz Metal	8.39	C95500	CDA 955	8.20
A92014	Al 2014	2.80	C31600	CDA 316 Leaded Bronze	8.83	C95800	CDA 958	8.80
A92017	Al 2017		C33000	CDA 330		C96200	CDA 962	8.94
A92024	Al 2024	2.77	C34500	CDA 345		C96400	CDA 964	8.94
	Al 2024 ALCLAD		C35300	CDA 353		C97800	CDA 978	8.86
A92036	Al 2036		C36000	CDA 360 FC Brass	8.49			
A92090	Al 2090		C36500	CDA 365				
A92219	Al 2219		C44300	CDA 443 Admiralty Br.	8.52	<b>Carbon &amp; Alloy Steels</b>		
A93003	Al 3003	2.73	C46400	CDA 464 Naval Brass	8.41	G10050	C1005	
A93004	Al 3004		C48500	CDA 485 Leaded Naval	8.44	G10080	C1008	7.85
A94043	Al 4043		C51000	CDA 510 Phos. Bronze	8.86	G10090	C1009	
A95005	Al 5005	2.70	C51900	CDA 519		G10100	C1010 Mild Steel	7.87
A95050	Al 5050	2.69	C52100	CDA 521		G10150	C1015 Mild Steel	7.87
A95052	Al 5052	2.68	C61000	CDA 610		G10180	C1018 Mild Steel	7.87
A95083	Al 5083	2.66	C61300	CDA 613	8.50	G10200	C1020 Mild Steel	7.87
A95086	Al 5086	2.65	C61400	CDA 614 Al Bronze D	8.45	G10260	C1026 Mild Steel	7.87
A95154	Al 5154	2.66	C62300	CDA 623		G10350	C1035	
A95182	Al 5182		C62400	CDA 624		G10400	C1040	
A95254	Al 5254		C62500	CDA 625		G10420	C1042	
A95257	Al 5257		C63000	CDA 630 Ni Al Bronze	7.58	G10450	C1045	7.84
A95454	Al 5454	2.68	C63200	CDA 632		G10500	C1050	7.84
A95456	Al 5456	2.66	C64200	CDA 642 Al Bronze	7.69	G10600	C1060	
A95652	Al 5652		C65100	CDA 651		G10740	C1074	
A96061	Al 6061	2.70	C65500	CDA 655 High Silicon	8.52	G10750	C1075	
A96063	Al 6063	2.70	C67300	CDA 673			C1076	
A97039	Al 7039		C67500	CDA 675 Mn Bronze A	8.63	G10800	C1080	
A97050	Al 7050		C68700	CDA 687 Al Brass	8.33	G10950	C1095	
A97075	Al 7075	2.80	C70600	CDA 706 (90/10)	8.94	G11170	C1117	
	Al 7075 ALCLAD		C71000	CDA 710 (80/20)	8.94		C11L17	
A97178	Al 7178	2.82	C71500	CDA 715 (70/30)	8.94	G11370	C1137	
			C72200	CDA 722		G11410	C1141	
			C75200	CDA 752		G11440	C1144	
			C83600	CDA 836	8.80	G12144	C12L14	
			C83800	CDA 838		G12150	C1215	
			C84400	CDA 844			C15830	
			C84500	CDA 845		G41300	C4130	7.85
							C4130X	7.85

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UNS	Material	Density (g/cm <sup>3</sup> )
<b>Carbon &amp; Alloy Steels (cont'd)</b>		
G41400	C4130MOD C4140 Alloy Steel	7.85
	C4140C C4140D C41L40 C41L50	
G41420	C4142	
G41500	C4150 C4330V	
G43400	C4340 Alloy Steel C4340A C4340B	7.84
G52986	C52100	
G86200	C8620	
G86300	C8630	
G87400	C8740	
G93106	C9310	
K01200	A179	7.85
K01201	A192	
K01800	A516 Gr 55 A213	
K01807	A214	7.86
K02100	A516 Gr 60	7.83
K02303	A572 Gr 50	
K02400	A537 CL1	
K02401	A515 Gr 60 / A283 Gr C	7.83
K02504	A53 Gr A	7.84
K02600	A36	7.85
K02700	A516 Gr 70	7.83
K02801	A285 Gr C	7.84
K03000	A500 Gr B	
K03005	A53 Gr B	7.87
K03006	A333 Gr 6 / A106 Gr B	7.84
K03009	A350 Lf 1	
K03101	A515 G 70	7.83
K03300	A455	
K02707	A210 Gr A1	
K03501	A210 Gr C	
K03502	A181 Gr 2	
K03506	A266 CL 2	
K11430	A588 Gr A/Cor-Ten B	7.83
K11510	A242 Type1/Cor-Ten A	7.89
K11547	A213 T2	
K11572	A182 F11(1¼Cr, ½Mo)	7.86
K11597	A213 T11 A513	
K11662	A514 Gr D	
K11757	A387 F12	7.87
K11789	A387 F11	
K11804	A656 Gr 80 A694 Gr 52	
K11820	A204 Gr A	
K11856	A514 Gr A	
K12020	A204 Gr B	
K12022	A302 Gr B	
K12023	A209 T1a	
K12045	A541	
K12521	A533 Gr A	

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Carbon &amp; Alloy Steels (cont'd)</b>		
K12542	A202 Gr B	
K12766	A508 Class 2	
K13050	A350 Lf 5	
K13502	A508 CL1	
K20747	A710 Gr A	
K21590	A182 F22 (2¼ Cr, 1 Mo)	7.86
K24728	A355 Gr A	
K31820	HY80	
K32018	A203 Gr E	
K32045	HY100 HY130	
K41545	A387 F5	
K42544	A182 F5a (5 Cr, 1/2 Mo)	7.78
K81340	A553 A569 A606 A610 A611	7.87
K90941	A182 F9 (9 Cr, 1 Mo)	7.67
N08705	HP HP50	
K91283	HP 9-4-30	
K92890	Nimark 250 A120 A366	
S50300	A182 F7	7.78
S50200	A387 Gr 5 Manganese Steel	
K44220	300M	
<b>Coated, Plated or Special Conditioned Steels</b>		
	Aluminized Steel	
	Chrome Plated Steel	
	Galvanized Steel	
	Terne Steel	
	Tin Plated Carbon Steel	
	Tin Plated Steel	
<b>Heat &amp; Corrosion Resistant Steels Including Stainless Steel</b>		
S13800	13-8 PH Mo	
S15500	15-5 PH	7.80
S15700	15-7 PH Mo 15B30	7.80
S17400	17-4 PH	7.80
S17700	17-7 PH	7.80
K14675	17-22A	
K23015	17-22AS 18SR	
S16100	CROLOY 16-1	
S20100	201L	7.94
S20300	203	
S30100	301	7.90
S30200	302	7.94

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Heat &amp; Corrosion Resistant Steels Including Stainless Steels (cont'd)</b>		
	302 HQ	
S30300	303	7.90
	303 (P-70)	
S30323	303Se	
S30400	304	7.94
S30403	304L	7.94
S30409	304H 304 .25%B 304 1%B	
S30451	304N	
S30453	304LN	
S30800	308	8.00
S30883	308L	
S30900	309	7.98
S30908	309S	8.00
S31000	310	7.98
S31008	310S	7.98
S31009	310H	
S31603	316 / 316L 316LM	7.98
S31653	316LN	
S31700	317	7.98
S31703	317L	7.98
S31725	317LM	7.98
S31753	317LN 317LNMo	7.90
S32100	321	7.90
S32900	329	7.98
N08330	330	8.03
N06333	333	8.24
S34700	347	8.03
S34800	348	
S40300	403	7.70
S40500	405 406A1 406A2 406A4	7.80
S40900	409	7.64
S41000	410	7.70
S41008	410S	
S41600	416	7.70
S41800	418	
S42000	420	7.70
S42020	420F	
S42200	422	
S43000	430	7.72
S43036	430Ti	
S43100	431	7.73
S43700	437	
S43035	439	7.64
S44002	440A	7.70
S44004	440C	7.70
S44100	441	
S44400	444	7.80
S44600	446	7.65

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<b>Heat &amp; Corrosion Resistant Steels Including Stainless Steels (cont'd)</b>			<b>Reactive &amp; Refractory Metals</b>			<b>Solders (cont'd)</b>		
N08904	904L	8.00		Colubium 85		P07500	92.5 Sn/7 Pb/.5 Ag	
	904LN			Tantaloy "60"		P07501	Silver Solder B AG1A	
S21460	XM-14 (Tenelon)			Tantaloy "63"		P07720	Silver Solder B AG3	
S38100	XM-15			60/Ta-40/Co	12.10		Silver Solder B AG8	
S66286	A-286	7.90	R03640	Molybdenum (TZM)	10.22		Anti-Friction Babbit	
S35000	AM 350	7.81	R30003	Elgiloy	8.30		DZL Tin Babbit	
S35500	AM 355	7.91	R30035	MP35N	8.91		Modine	
	AM 363			Ti Beta 21S			Lead Babbit	
	Maraging 250; 300; 350			Ti Di-Boride			Tin Babbit	
<b>Nickel Alloys</b>			R50250	Ti Gr 1	4.52		ZAMAK 3	
N99645	Colmonoy 45		R50400	Ti Gr 2 (cp)	4.52		ZAMAK 5	
N99646	Colmonoy 46		R58010	Ti 3-11-13		<b>Tool Steels</b>		
N13100	IN 100	7.75	R50700	Ti Gr 4		T11302	M2	8.16
N06003	Nichrome 5		R54521	Ti 5-2.5		T11304	M4	
N06004	Nichrome 60	8.31	R56210	Ti 6-2-1-1			M35-1	
N06008	Nichrome 70		R54620	Ti 6-2-4-2		T11342	M42	
	Nimonic 105		R56401	Ti 6-4ELI		T11350	M50	
	Nichrome 3228		R56260	Ti 6-2-4-6			M509	
<b>Pure Metals</b>			R56400	Ti Gr 5 (6 Al, 4 V)	4.43	T12001	T1	8.67
M02XXX	Barium B10		R52400	Ti Gr 7	4.52	T20811	H11	7.75
L01XXX	Cadmium	8.65	R54810	Ti 8-1-1		T20812	H12	
R2XXXX	Chromium	7.19		Ti Gr 9	4.52	T20813	H13	7.79
R30XXX	Cobalt	8.85	R52250	Ti Gr 11	4.52	T20821	H21	
W6XXXX	Copper	8.89	R53400	Ti Gr 12	4.43	T30102	A2	7.86
P00020	Gold (99.95)	18.88		Ti 15-3-3-3		T30106	A6	
R02XXX	Hafnium	13.10	R52402	Ti Gr 16	4.52	T30110	A10	
L04XXX	Indium			Ti 25MO		T30402	D2	7.76
FXXXXX	Iron	7.87		Ti Gr 444		T30404	D4	
L50050	Lead	11.35		Ti Gr 450		T30407	D7	
MIXXXX	Magnesium	1.74	R58640	Ti Gr 479	4.82	T30407	D7	
M2XXXX	Manganese	7.21/7.44		Beta C-Ti		T31501	O1	
R03XXX	Molybdenum	10.22		HD17 Tungsten		T31502	O2	
N02290	Nickel	8.57		KBI 40		T31506	O6	
R04210	Niobium	8.57		KBI 41		T41901	S1	
P03980	Palladium	12.02		Tribacor 532		T41905	S5	
P04995	Platinum	21.45	R60702	Zirconium 702	6.10	T41906	S6	
M3XXXX	Silicon	2.33	R60704	Zirconium 704	6.52	T41907	S7	
P07010	Silver	10.50	R60705	Zirconium 705	6.51	T51620	P20	
R05XXX	Tantalum	16.65	R60802	Zircalloy II	6.56	T61206	L6	7.86
L13008	Tin	7.30	R60804	Zircalloy IV	6.56	T72301	W1	
R07005	Tungsten	19.30					CPM10V	
R08XXX	Vanadium			<b>Solders</b>			AZ	
Z15001	Zinc	7.13	L50113	2.5 Sn/97 Pb/.5 Ag			CRB-7	
<b>Magnesium Alloys</b>			L50750	Calcium Sn Pb		T20813	H13	7.79
M10410	Magnesium AS41A		L51120	Lead (Chemical)			M73	
M11311	Magnesium AZ31B	1.83	L52605	Lead with 1% Sb			Silicon Corbide	
	Magnesium WE43		L52901	Lead with 4% Sb			KZ-84 Carbide	
	Magnesium ZC71		L53105	Lead with 6% Sb			KZ-94 Carbide	
M11910	Magnesium AZ91A		L54320	5 Sn/95 Pb	11.00		Titanium Carbide	
M12330	Magnesium EZ33A			3 Sn/97 Pb (Modine Solder)			Tungsten-Carbide C-2	14.85
M16400	Magnesium ZK40A		L54520	10 Sn/90 Pb	10.90		Tungsten-Carbide 6% NI	
M16410	Magnesium ZE41A		L54710	20 Sn/80 Pb	10.20		Tungsten-Carbide 8% CO	
			L54821	30 Sn/70 Pb Alloy B (Sn30A)			Tungsten 2% TH	
			L54822	30 Sn/70 Pb Alloy C (Sn30B)				
			L54915	40 Sn/60 Pb	9.31			
			L55030	50 Sn/50 Pb	8.89			
				60 Sn/40 Pb	8.42			
				70 Sn/30 Pb				

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# Alloys Listed by Trademark

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Allegheny Ludlum Corporation</b>		
	316LXN™	8.03
S31725	317LX™	8.03
S31726	317LXN™	8.03
N08367	AL-6XN®	8.06
	AL-6XN Plus™	
N08904	AL-904L™	7.95
S15500	AL 15-5™	
S15700	AL 15-7™	
S17400	AL 17-4™	
S17700	AL 17-7™	
N08020	AL 20™	8.08
S32003	AL 2003™	7.78
	AL 22-3™	
S44735	AL 29-4C®	7.65
S20400	AL 30™	
S24000	AL 33™	7.84
K93600	AL 36™	
	AL 42™	
	AL 45™	
S20910	AL 50™	7.95
N14052	AL 52™	
N02200	AL 200™	8.90
N02201	AL 201™	8.90
S20153	AL 201LN™	7.86
	AL 216™	
S21904	AL 219™	7.85
S31803	AL 2205™	7.88
S32550	AL 255™	7.72
N10276	AL 276™	8.90
	AL 304DA™	7.86
	AL 310L™	
N08800	AL 332™	8.03
	AL 344™	
N04400	AL 400™	8.83
	AL 403™	
	AL 409Cb™	7.76
S40930	AL 409HP™	7.76
	AL 410™	7.65
	AL 410HC™	
	AL 418™ Special	7.86
	AL 420™	7.73
	AL 425 Mod™	7.72
	AL 433™	7.75
	AL 436S™	7.75
S43035	AL 439HP™	
	AL 440A™	7.74
	AL 440C™	
	AL 441™	7.71
	AL 441HP™	
	AL 467™	
	AL 468™	
K94800	AL 4750™	
N06600	AL 600™	8.42
N06601	AL 601™	8.05
	AL 610™	
	AL 611™	

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Allegheny Ludlum Corp. (cont'd)</b>		
N06625	AL 625™	8.44
N08800	AL 800™	8.03
N08810	AL 800H™	8.03
N08811	AL 800AT™	8.03
N08825	AL 825™	8.13
K91470	ALFA I™	7.38
K91470	ALFA II™	7.34
N06625	ALTEMP® 625	8.44
N07718	ALTEMP® 718	8.19
S66286	ALTEMP® A-286	7.92
N06002	ALTEMP® HX	8.22
S35000	AM 350™	7.81
S35500	AM 355™	7.91
	AM 362™	
	AM 363™	
S44627	E-BRITE 26-1®	7.67
N08700	JS 700™	7.95
K91470	Ohmaloy® 30	
K91470	Ohmaloy® 40	
K94760	Sealmet® 4	
	Sealmet® 485	
	Silectron®	
<b>Carpenter Technology Corp.</b>		
N08020	20Cb3®	8.08
N08024	20Mo4®	8.11
N08026	20Mo6®	8.13
N20910	22 Cr-13 Ni-5 Mn	7.88
S28200	18-18 PLUS®	7.88
S45000	Custom 450®	7.75
S45500	Custom 455®	7.76
N07716	Custom 625 PLUS®	8.40
S32950	7 Mo PLUS®	7.75
N07031	PYROMET® 31	7.99
S30430	Custom Flo 302 HQ	7.92
S30300	Project 70® Type 303	7.83
N06600	PYROMET® 600	8.43
R30605	L605	9.20
S66286	CONSUMET® A286	7.92
	HyMu "77"	
	HyMu "80"®	8.74
	High Permeability "45"	
	High Permeability "49"®	8.18
	NI MARK® 250	8.02
	Temp. Compensator "30"	8.70
	Temp. Compensator "32"	8.12
K93601	Carpenter Invar "36"®	8.05
K94610	KOVAR®	8.36
K94100	Glass Sealing "42"	8.12
N14052	Glass Sealing "52"	

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Deloro Stellite Inc.</b>		
	Deloro® alloy #30	
	Deloro alloy #40	8.20
	Deloro alloy #50	
	Delchrome® alloy W	
	Delchrome alloy #90	
	Delchrome alloy #93	
	Nistelle® alloy B-2C	
	Nistelle alloy C-4C	
	Nistelle alloy X	
	NoCo™ 02	
	Stellite® alloy #3	8.69
R30404	Stellite alloy #4	8.73
R30006	Stellite alloy #6	8.46
R30016	STELLITE 6B (Wrought Alloy)	
	STELLITE 6K (Wrought Alloy)	
R30012	Stellite alloy #12	
	Stellite alloy #19	
R30021	Stellite alloy #21	
	Stellite alloy #25	
R30031	Stellite alloy #31	
	Stellite alloy #33	
	Stellite alloy #100	
	Stellite alloy #250	
R31001	Stellite alloy Star J	
	Stellite alloy #703	
	Stellite alloy #706	
	Stellite alloy #712	
	Stellite alloy #720	
	Tribaloy® T-400	8.99
	Tribaloy® T-700	8.72
	Tribaloy T-745	
	Tribaloy T-800	8.64
	Tribaloy T-900	
<b>Delta Centrifugal Corp. (Cast Steels)</b>		
	A436 Type 1; Type 2; Type 3	
	A439 D2; A439 D3	
	B407	
J91150	CA 15	
	CA 40; CA40F	
J91540	CA6NM	
	CB7Cu-1; CB7Cu-2	
J93370	CD4MCu	
	CF3; CF3M; CG3M	
	CF8; CF8M; CG8M; CF8C	
	CF10SMnN	
	CF16Fa	
J93790	CG6MMN	
J95150	CN7M	
	CW6MC	
	CW12MW	
	CY40	
N02100	CZ100	
	HD; HE; HF; HH; HK; HT	

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UNS	Material	Density (g/cm <sup>3</sup> )
<b>Delta Centrifugal Corp. (cont'd)</b>		
	M25S	
	M30C; M30H	
	M35-1	
	N12M	
C96400	70-30 CuNi	
C96200	90-10 CuNi	
C83600	85-5-5-5	
C85700	Naval Brass	
C86500	65K Mn Brz	
C86300	100K Mn Brz	
C90300	Navy G	
C92200	Navy M	
C92300	Leaded Tin Brz	
C93200	660 Brz	
C95400	9C AL Brz	
C95500	9D AL Brz	
<b>Flowserve</b>		
N30107	Durco CW6M (Chlorimet 3)	9.00
J92600	Durco CF8	7.76
J92900	Durco CF8M	7.76
N30007	Durco N-7M (Chlorimet 2)	9.22
J93370	Durco CD-4MCu	
J93900	Durcomet 5	7.85
N24135	Durco M35	8.65
	Durichlor 51	7.06
N08007	Durimet 20 (CN-7M)	7.96
	Duriod 7101	
	Duriod 7107	
	Duriod 7201	
	Duriod 7301	
<b>Haynes International</b>		
N10675	HASTELLOY B-3 <sup>®</sup> alloy	9.20
N06455	HASTELLOY C-4 alloy	8.60
N06022	HASTELLOY C-22 <sup>®</sup> alloy	8.60
N10276	HASTELLOY C-276 alloy	8.80
N06200	HASTELLOY C-2000 <sup>®</sup>	8.50
N06030	HASTELLOY G-30 <sup>®</sup> alloy	8.22
N10004	HASTELLOY W alloy	9.00
N06002	HASTELLOY X alloy	8.23
N08320	HASTELLOY 20MOD	
	HAYNES 6B alloy	
R30605	HAYNES 25 alloy	9.13
	HAYNES 75 alloy	
R30188	HAYNES 188 alloy	8.98
N07214	HAYNES 214 <sup>™</sup> alloy	8.05
N06230	HAYNES 230 <sup>™</sup> alloy	8.83
	HAYNES 242 <sup>™</sup> alloy	9.06
N07263	HAYNES 263 alloy	8.37
R30556	HAYNES 556 <sup>™</sup> alloy	8.23
	HAYNES 617 alloy	8.36
N06625	HAYNES 625 alloy	8.45
N07718	HAYNES 718 alloy	8.23
	HAYNES D-205 <sup>™</sup> alloy	
N12160	HAYNES <sup>®</sup> HR-160 <sup>®</sup> alloy	8.01
N08120	HAYNES HR-120 <sup>®</sup> alloy	8.07

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Haynes International (cont'd)</b>		
N07041	HAYNES R-41 alloy	8.25
	HAYNES Ti-3Al-2.5V	
N07750	HAYNES X-750 alloy	8.25
N10362	HYBRID-BC1 <sup>®</sup> alloy	8.83
R30155	MULTIMET <sup>®</sup> alloy	8.19
R31233	ULTIMET <sup>®</sup> alloy	8.47
N07001	Waspaloy alloy	8.20
<b>Kubota Metal Corporation</b>		
	KCR13C	
	KCR13CA	
	KCR13CB	
	KCR12N	
	KCR20N	
	KCR8NA	
	KCR8NB	
	KCR8NC	
	KCR8NMB	
	KCR8NMC	
	KCRD183	
	KCRD283	
<b>Outokumpu</b>		
S31803	Avesta 2205	7.80
S30415	Avesta 153MA	
S30815	Avesta 253MA	
S31254	Avesta 254SMO	8.00
S32654	Avesta 654SMO	8.00
S31726	317LMN	8.00
	34LN	
<b>RMI Titanium</b>		
R50250	Ti Gr 1	4.52
R50400	Ti Gr 2	4.52
R50550	Ti Gr 3	4.52
R50700	Ti Gr 4	
R56400	Ti Gr 5	4.44
R52400	Ti Gr 7	4.52
R56320	Ti Gr 9	4.52
R52250	Ti Gr 11	4.52
R53400	Ti Gr 12	4.43
R52402	Ti Gr 16	4.52
R58640	Beta C Ti (ST)	4.82
	Beta C Ti (STA)	4.82

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Rolled Alloys</b>		
	RA17-4	
	RA188	
S30815	RA 253 MA <sup>®</sup>	7.80
S35315	RA 353 MA <sup>®</sup>	
S30908	RA309	7.89
S30909	RA309H	
S31008	RA310	7.86
S31009	RA310H	
S32100	RA321	
N08330	RA330 <sup>®</sup>	7.94
N06333	RA333 <sup>®</sup>	8.14
S44600	RA446	7.47
	RA62	
S30615	RA85H <sup>®</sup>	7.59
N08811	RA800H/AT	
N08825	RA825	
N06600	RA600	8.47
N06601	RA601	8.11
	RA625	
	RA718	
S32205	RA2205	
S32760	Zeron 100 <sup>®</sup>	7.84
<b>Sandusky International Inc.</b>		
	Alloy 86	7.78
	Alloy EPV	7.78
	1N Bronze	9.02
<b>Sandvik Steel</b>		
G10550	11L - (AISI 1055)	
	13C	
G10740	15LM - (AISI 1074)	
	15N2/15N2C	
G10950	20C - (AISI 1095)	
	9H574	
	15W12C1	
S42000	6C27 - (AISI 420)	
	7C27Mo2	
	12C27; 12C27 Mod.	
	13C26	
	19C27	
S30403	3R12 - (AISI 304L)	
S30200	12R10 - (AISI 302)	
S30100	12R11 - (AISI 301)	
S30100	11R51 - (AISI 301)	
	9RU10 - (AISI 631)	
	13RM19	
S32750	SAF 2507	8.00
<b>Special Metals</b>		
N02200	Nickel 200	8.89
N02201	Nickel 201	8.89
N02205	Nickel 205	8.89
	Nickel 212	
N02270	Nickel 270	

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UNS	Material	Density (g/cm <sup>3</sup> )
<b>Special Metals (cont'd)</b>		
	BRIGHTRAY® alloy 35	8.30
N06004	BRIGHTRAY® alloy B	8.30
N06003	BRIGHTRAY® alloy C	8.30
	BRIGHTRAY® alloy F	8.30
N06003	BRIGHTRAY® alloy S	8.30
	Electroformed Nickel	
N03301	DURANICKEL® alloy 301 FERRY® alloy	8.19
	INCOCLAD® 671/800HT®	
N08020	INCOLOY® alloy 020	8.08
N08028	INCOLOY® alloy 028	8.03
N08926	INCOLOY® alloy 25-6MO	8.20
N08330	INCOLOY® alloy 330	8.08
N08800	INCOLOY® alloy 800	7.94
N08810	INCOLOY® alloy 800H	7.94
N08811	INCOLOY® alloy 800HT	7.94
S35045	INCOLOY® alloy 803	7.86
N08825	INCOLOY® alloy 825	8.14
	INCOLOY® alloy 840	7.83
S35135	INCOLOY® alloy 864™	8.02
N19903	INCOLOY® alloy 903	8.30
N09908	INCOLOY® alloy 908	
N19909	INCOLOY® alloy 909	8.30
N09925	INCOLOY® alloy 925™	8.08
S66286	INCOLOY® alloy A-286	7.94
	INCOLOY® alloy DS	7.86
S67956	INCOLOY® alloy MA956	7.25
N06950	INCONEL® alloy 050	8.39
N06600	INCONEL® alloy 600	8.47
N06601	INCONEL® alloy 601	8.11
	INCONEL® alloy 601GC	8.11
N06617	INCONEL® alloy 617	8.36
N06022	INCONEL® alloy 622	8.61
N06625	INCONEL® alloy 625	8.44
	INCONEL® alloy 625LCF	8.44
N06686	INCONEL® alloy 686	8.73
N06690	INCONEL® alloy 690	8.19
N09706	INCONEL® alloy 706	8.05
N07718	INCONEL® alloy 718	8.19
N07719	INCONEL® alloy 718SPF™	
N07725	INCONEL® alloy 725™	8.30
N07750	INCONEL® alloy X-750	8.28
N07751	INCONEL® alloy 751	8.22
N07754	INCONEL® alloy MA754	8.55
	INCONEL® alloy MA758	8.55
R30783	INCONEL® alloy 783	
N10276	INCONEL® alloy C-276	8.89
N06985	INCONEL® alloy G-3	8.14
N06002	INCONEL® alloy HX	8.22
	INCOTHERM™ alloy TC	
	INCOTHERM™ alloy TG	
	KOTHERM® alloy KP	
	KOTHERM® alloy KN	
N04400	MONEL® alloy 400	8.80
N04405	MONEL® alloy R-405	8.80
N05500	MONEL® alloy K-500	8.44
K93600	NILO® alloy 36	8.11
	NILO® alloy 365	

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Special Metals (cont'd)</b>		
K94100	NILO® alloy 42	8.11
	NILO® alloy 475	
K94800	NILO® alloy 48	8.11
K94610	NILO® alloy K	8.16
	NILOMAG® alloy 77	8.77
N06075	NIMONIC® alloy 75	8.36
N07080	NIMONIC® alloy 80A	8.19
	NIMONIC® alloy 86	
N07090	NIMONIC® alloy 90	8.19
	NIMONIC® alloy 101	
	NIMONIC® alloy 105	8.01
	NIMONIC® alloy 115	
N07263	NIMONIC® alloy 263	8.36
N09901	NIMONIC® alloy 901	8.14
	NIMONIC® alloy PE 16	
	NIMONIC® alloy PK33	
	NIO THERM® alloy NP	
	NIO THERM® alloy NN	
N09902	NI-SPAN-C® alloy 902	8.11
	RESISTOHM® alloy 30	
	RESISTOHM® alloy 40	
N06604	RESISTOHM® alloy 60	
	RESISTOHM® alloy 70	
	RESISTOHM® alloy 80	
	RESISTOHM® alloy 125	
	RESISTOHM® alloy 135	
	RESISTOHM® alloy 140	
	RESISTOHM® alloy 145	
	RESISTOHM® alloy Y	
K92890	UDIMAR® alloy 250	
K93120	UDIMAR® alloy 300	
S13800	UDIMET® alloy 13-8Mo	
R30188	UDIMET® alloy 188	
N07500	UDIMET® alloy 500	
	UDIMET® alloy 520	
R30605	UDIMET® alloy 605	
	UDIMET® alloy 700	
	UDIMET® alloy 720	
N09979	UDIMET® alloy D-979	
N07041	UDIMET® alloy R41	
<b>Stainless Foundry &amp; Engineering, Inc.</b>		
	ILLIUM 98	
	ILLIUM 98HF	
	ILLIUM B	
	ILLIUM G	
	ILLIUM P	
	ILLIUM PD	
<b>Teledyne Allvac</b>		
N06110	Allvac® Allcorr®	8.33
N13017	Allvac® Astroloy	7.91
N07041	Allvac® Rene 41	8.24
N07001	Allvac® Waspaloy™	8.19
R56320	Allvac® 3-2.5	4.48
R54520	Allvac® 5-2.5	4.45

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Teledyne Allvac (cont'd)</b>		
R54620	Allvac® 6-2-4-2	4.54
R56260	Allvac® 6-2-4-6	4.65
R56400	Allvac® 6-4	4.43
R56402	Allvac® 6-4 ELI	4.48
R56620	Allvac® 6-6-2	4.54
R56700	Allvac® 6-7	4.51
R54810	Allvac® 8-1-1	4.31
R50250	Allvac® 30, Ti CP-1	4.51
R30035	Allvac® 35N	8.41
R50400	Allvac® 40, Ti CP-2	4.51
R50550	Allvac® 50, Ti CP-3	4.51
R50700	Allvac® 70, Ti CP-4	4.51
R58650	Allvac® Ti-17	4.65
R52400	Allvac® Grade 7	4.51
R53400	Allvac® Grade 12	4.51
R58153	Allvac® Grade 15-3-3-3	4.76
R58640	Allvac® 38-644	4.81
N08330	Allvac® 330	8.00
	Allvac® 520	8.22
N09706	Allvac® 706	8.08
N07718	Allvac® 718-OP®	8.19
	Allvac® 720	8.08
N07252	Allvac® M-252	8.24
T11350	Allvac® M-50	7.78
S66286	Nickelvac® A-286	7.92
N06022	Nickelvac® C 22	8.02
N10276	Nickelvac® C-276	8.89
N10665	Nickelvac® H-B-2	9.22
N06002	Nickelvac® H-X	8.22
N05500	Nickelvac® K-500	8.47
R31537	Nickelvac® TJA-1537™	8.30
N08020	Nickelvac® 23	8.06
N07080	Nickelvac® 80 A	8.16
N04400	Nickelvac® 400	8.83
N06600	Nickelvac® 600	8.41
N06601	Nickelvac® 601	8.05
	Nickelvac® 606	8.36
N06625	Nickelvac® 625	8.44
N06690	Nickelvac® 690	8.13
N08800	Nickelvac® 800	7.94
N08810	Nickelvac® 800-H	7.94
N08825	Nickelvac® 825	8.14
N09901	Nickelvac® 901	8.22
N07263	Nickelvac® C-263	8.35
N10276	Nickelvac® HC-276	8.94
N10003	Nickelvac® H-N	8.77
N10004	Nickelvac® H-W	8.99
R30605	Nickelvac® L-605	9.22
N07090	Nickelvac® N-90	8.11
S31600	Nickelvac® R-26	8.19
N07722	Nickelvac® W-722	8.24
N07750	Nickelvac® X-750	8.30
N07751	Nickelvac® X-751	8.24
S20910	Nickelvac® XM-19	7.86
S31675	REX 734™	7.89
S41800	Vasco Greek Ascology	7.86
K91238	Vasco® 9-4-30	7.83
G43400	Vasco® 4340	7.83

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UNS	Material	Density (g/cm <sup>3</sup> )
<b>Teledyne Allvac (cont'd)</b>		
G93106	Vasco® 9310	7.86
	Vasco® X-2M	7.75
K24728	Vasco® D6AC	7.78
S64152	Vasco® Jethete M152	7.75
T20811	VascoJet® 1000	7.75
K92890	Vascomax® C-250	8.00
K93120	Vascomax® C-300	8.00
	Vascomax® C-350	8.08
	Vascomax® T-200	8.00
	Vascomax® T-250	8.00
<b>Timken Latrobe</b>		
R30035	MP35N	8.41
R30159	MP159	8.36
S44004	440C	7.75
S42700	BG42	7.75
S64152	Jethete M152	7.75
	410Cb	7.77
S15500	15-5 PH	7.81
S17400	17-4 PH	7.75
S13800	PH 13-8 Mo	7.76
	440N-DUR	7.67
	CSS-42L™	7.89
	420 Stainless	7.64
	422 Stainless	7.77
<b>ThyssenKrupp VDM</b>		
N08926	Cronifer 1925hMo	8.10
N08031	Nicrofer 3127hMo	8.10
N08020	Nicrofer 3620Nb	8.05
N06985	Nicrofer 4823hMo	8.30
N10276	Nicrofer 5716hMoW	8.89
N06059	Nicrofer 5923hMo	8.80
R20033	Nicrofer 3033	7.90
N06025	Nicrofer 6025HT	7.90
N06045	Nicrofer 45TM	8.00
N10629	Nimofer 6629	9.20
N10665	Nimofer 6928	9.20
<b>Usinor Industeel</b>		
	4003	
	Abroclad	
	Creusabro ACR	
	Creusabro® 4000	
	Creusabro® 8000	
	Creusabro® M	
	CLC 18.9 (H)	
	CLC 18.9 L	
	CLC 18.10 L	
	CLC 18.10 Ti	
	CLC 18.10 Nb	
	CLC 18.10 N	
	CLC 18.10 LN	
	CLC 18.12.4 LN	
	CLC 18.14.3 L	

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Usinor Industeel (cont'd)</b>		
	CLC 18.15.4 L	
	CLC 17.12.2 (H)	
	CLC 17.12.2 L	
	CLC 17.12.2 Ti	
	CLC 17.12.2 Nb	
	CLC 17.12.3 L	
	CLC 17.13.3	
	CLC 17.13.3 LN	
	CLC 17.13.5 LN	
	FAST 17.12.2.2	
	FAST 18.10	
	FAST 17.12.3	
	Fora 250 bc	
	Fora 360 bc	
	Fora 400 bc	
	Fora 500	
	M 200	
	M 250	
	M 300	
	NUCL 18.10	
	NUCL 18.10 Nb	
	NUCL 18.10 B	
	NUCL 167 SPH	
	SIRIUS S12	
	SIRIUS S15	
	SIRIUS 309 (S)	
	SIRIUS 310 (S)	
	SIRIUS 314	
	SIRIUS 800 (H)	
	SIRIUS 600	
	Soleil A2	
	Soleil A4	
	Soleil B2	
	Soleil B3	
	Soleil B4	
	Soleil C5	
	SP 300	
	SP 400	
	SP 400 S	
R50250	Titanium	
	UR 16	
	UR 35N - 2304	
	UR 45N - 2205	
	UR 45N Mo - 2205 Mo	
	UR 45N - 2306 Mo	
	UR 47N - SAF 2507	
	UR 51	
	UR 52N - 2507 Cu	
	UR 65	
	UR 76N	
	UR 625	
	UR 825	
	UR B6 (N)	
	UR B25	
	UR B26	
	UR B28	
	UR B46	
	UR B66	

UNS	Material	Density (g/cm <sup>3</sup> )
<b>Usinor Industeel (cont'd)</b>		
	UREA 25.22.2	
	UREA 316 L mod	
	Virgo 39	
	Virgo 17.4 PH	
	Virgo 15.5 PH	
R60001	Zirconium	
<b>Waukesha Foundry Inc.</b>		
	3 WM	8.85
	23 BIWM	8.58
	54C	8.58
	88 WM	8.58
	119 WM	8.58
	EM-27	7.75
	HC250	8.02

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