



COMMON USED GB MATERIAL COMPOSITION AND MECHANICAL PROPERTIES

Special Material		CHEMICAL COMPOSITION														MECHANICAL PROPERTIES			
		C %	Ni %	Cr %	Mo %	N %	Ti %	V %	Co %	W %	Zn %	Pb %	Ni+Nb %	Nb+Ta %	Al+Ti %	Tensile Strength MPa	Yield Strength MPa	Elongation %	Hardness of Area HB
254 SMO	MIN%		17.50	19.50	6.00	0.18										650	300	35	
(S31254)	MAX%	0.02	18.50	20.50	6.50	0.22													223
654 SMO	MIN%		21.00	24.00	7.00	0.45										750	430	40	
(S32654)	MAX%	0.02	23.00	25.00	8.00	0.55													
ALLOY 20	MIN%		32.50	19.00	2.00											620	324	35	
(N08020)	MAX%	0.06	35.00	21.00	3.00														200
ALLOY 28	MIN%		29.50	26.00	3.00											500	214	40	
(N08028)	MAX%	0.03	32.50	28.00	4.00														180
ALLOY 31	MIN%		30.00	26.00	6.00	0.15										650	276	40	
(N08031)	MAX%	0.15	32.00	28.00	7.00	0.25													220
NICKEL 200	MIN%		98.40													380	103	40	
(N02200)	MAX%	0.15	99.60																140
NICKEL 201	MIN%		98.40													345	80	40	
(N02201)	MAX%	0.01	99.60																135
ALLOY 400	MIN%		63.00													485	195	35	
(N04400)	MAX%	0.30																	140
ALLOY 600	MIN%		72.00	14.00												550	240	30	
(N06600)	MAX%	0.15		17.00															180
ALLOY 601	MIN%		58.00	21.00												550	205	30	
(N06601)	MAX%	0.10	63.00	25.00															180
ALLOY 625	MIN%		58.00	20.00	8.00								3.15			758	379	30	
(N06625)	MAX%	0.10		23.00	10.00		0.40		1.00					4.15					
ALLOY 800H	MIN%	0.05	30.00	19.00			0.15									450	170	30	
(N08810)	MAX%	0.10	35.00	23.00			0.60												
ALLOY 800HT	MIN%		30.00	19.00			0.15								0.85	450	170	30	
(N08811)	MAX%	0.50	35.00	23.00			0.60								1.20				
ALLOY 825	MIN%		38.00	19.50	2.50		0.60									586	241	30	
(N08825)	MAX%	0.50	46.00	23.50	3.50		1.20												165
ALLOY C22	MIN%			20.00	12.50				2.50							690	310	45	
(N06022)	MAX%	0.015	余下	22.50	14.50			0.35	0.35	3.50									226
ALLOY C276	MIN%			14.50	15.00				3.00							690	283	40	
(N10276)	MAX%	0.01	余下	16.50	17.00			0.35	0.35	4.50									226
Cu Ni 90/10	MIN%											9.00				275	105	30	
(C70600)	MAX%	0.05								0.05	0.02	11.00							