COMMON USED GB MATERIAL PROPERTIES

COMMON USED GB MATERIAL COMPOSITION AND MECHA NICAL PROPERTIES

Stainless Steel & Duplex			CHEMICAL COMPOSITION														MECHANICAL PROPERTIES						
			C %	Mn %	P %	S %	Si %	Ni %	Cr %	Mo %	Cu %	Ti %	Nb %	W %	B %	N %	Tensile Strength MPa	Yield Strength MPa	Elongation %	Reduction of Area %	Hardness of Area HB	Impact Test (Room Temp.) (l)	(tr)
BF Z CN 18-09/19-09	NF E 29-204	MIN%						8.00	18.00								520	205	45				
		MAX%	0.030	2.04	0.045	0.035	0.80	10.10	19.20								690						
BF Z3 CND 17-11-02	NF E 29-204	MIN%						10.00	16.00	2.00							510	205	45				
		MAX%	0.030	2.04	0.045	0.035	0.80	12.15	18.20	2.60							710						
BF Z7 CND 17-11-02	NF E 29-204	MIN%						10.00	16.00	2.00							540	215	45				
		MAX%	0.080	2.04	0.045	0.035	0.80	12.15	18.20	2.60							740						
BF Z3/Z7	NF E 29-204	MIN%						10.00	16.00	2.00							540	215	45				
		MAX%	0.030	2.04	0.045	0.035	0.80	12.15	18.20	2.60							710						
SUS F304	JIS G3214	MIN%						8.00	18.00								480	205	29	45			
		MAX%	0.080	2.00	0.040	0.030	1.00	11.00	20.00												187		
SUS F304L	JIS G3214	MIN%						9.00	18.00								450	175	29	45			
		MAX%	0.030	2.00	0.040	0.030	1.00	13.00	20.00												187		
SUS F316	JIS G3214	MIN%						10.00	16.00	2.00							480	205	29	45			
		MAX%	0.080	2.00	0.040	0.030	1.00	14.00	18.00	3.00											187		
SUS F316L	JIS G3214	MIN%						12.00	16.00	2.00							450	175	29	45			
		MAX%	0.030	2.00	0.040	0.030	1.00	15.00	18.00	3.00											187		
WP304	ASTM A403	MIN%						8.00	18.00								515	205	28				
		MAX%	0.080	2.00	0.045	0.030	1.00	11.00	20.00														
WP304L	ASTM A403	MIN%						8.00	18.00								485	170	28				
		MAX%	0.030	2.00	0.045	0.030	1.00	12.00	20.00														
WP304/304L	ASTM A403	MIN%						8.00	18.00								515	205	28				
		MAX%	0.030	2.00	0.045	0.030	1.00	11.00	20.00														
WP316	ASTM A403	MIN%						10.00	16.00	2.00							515	205	28				
		MAX%	0.080	2.00	0.045	0.030	1.00	14.00	18.00	3.00													
WP316L	ASTM A403	MIN%						10.00	16.00	2.00							485	170	28				
		MAX%	0.030	2.00	0.045	0.030	1.00	14.00	18.00	3.00													
WP316/316L	ASTM A403	MIN%						10.00	16.00	2.00							515	205	28				
		MAX%	0.030	2.00	0.045	0.030	1.00	14.00	18.00	3.00													
WP321	ASTM A403	MIN%						9.00	17.00								515	205	28				
		MAX%	0.080	2.00	0.045	0.030	1.00	12.00	19.00			*											