

		MECHANICAL PROPERTIES			SPECIAL REQUIREMENT
		Tensile Strength Mpa	Yeild Strength Mpa Min	Elongation 50mm Min Longitudinal	
Cr %	Mo %				
.....	.....	331 MIN	207	36	.....
.....	.....	413 MIN	240	29.5	.....
0.40 MAX	0.15 MAX	330 MIN	205	35/28	CR MO CU NI VA
0.40 MAX	0.15 MAX	415 MIN	240	30/22	0.40 .15 .40 .40 .08
0.40 MAX	0.15 MAX	485 MIN	275	30/22	Five elements not to Ex. 1%
.....	.....	380 MIN	205	25/20	Impact Test .50° F10x10 J18
.....	.....	415 MIN	240	30/18	Impact Test .50° F10x10 J18
.....	.....	380 MIN	205	35/28	.50° F10 x 10 J18 85 HRB MAX
.....	.....	415 MIN	240	30/22	.50° F10 x 10 J18 85 HRB MAX
.....	.....	325 MIN	180	35.0	Hardness 72 HRB MAX
.....	.....	385 MIN	180	35.0	Hardness 72 HRB MAX
.....	.....	325 MIN	180	35.0	Hardness 77 HRB MAX
.....	.....	415 MIN	255	30/22	Hardness 79 HRB MAX
.....	.....	485 MIN	275	30/22	Hardness 89 HRB MAX
.....	0.44-0.65	380 MIN	205	30/22	Max. Temp 475°C 80 HRB MAX
.....	0.44-0.65	380 MIN	205	30	Maximum Temp. 550°C
0.50-0.81	0.44-0.65	380 MIN	205	30	Maximum Temp. 550°C
1.00-1.50	0.44-0.65	415 MIN	205	30	Maximum Temp. 575°C
0.80-1.25	0.44-0.65	415 MIN	205	30	Maximum Temp. 560°C
1.90-2.60	0.87-1.13	415 MIN	205	30	Maximum Temp. 600°C
4.00-6.00	0.44-0.65	415 MIN	205	30	Maximum Temp. 6000°C
8.00-10.0	0.90-1.10	415 MIN	172	30/22	Maximum Temp. 625°C
.....	.....	324-441	188	26	Maximum Temp. 454°C
.....	.....	360.500	235	21	Maximum Temp. 454°C
.....	.....	440-580	245	22	Maximum Temp. 475°C
0.70-1.10	0.45-0.65	441-618	235	22	Maximum Temp. 560°C
.....	.....	340-441	235	25	Maximum Temp. 454°C
.....	.....	441-540	255	25	Maximum Temp. 454°C
.....	0.25-0.35	441-540	284	21	Maximum Temp. 550°C
0.70-1.00	0.40-0.50	441-570	294	22	Maximum Temp. 550°C
2.00-2.50	0.90-1.10	441-570	294	22	Maximum Temp. 600°C