



## ARMOR WIRE / WIRELINE ALLOY COMPARISON CHART

ALLOY	UNS	C	Si	Mn	Cr	Ni	Mo	Cu	N	Other	PREN	CPT (°C)	CPT (°F)
316	S31600	0.08	0.75	2.0	17.0	10.0 - 14.0	2.6		0.05		27	23	73
XM19	S20910	0.06	1.0	4.0 - 6.0	22.0	11.5 - 13.5	2.25		0.30	0.10 - 0.30 Cb/Ta	38	41	105
SAF 2205	S31803	0.03	1.0	2.0	22.0	4.5 - 6.5	3.2		0.18		38	44	111
SUPA 70	S31254	0.02	1.0	2.0	20.0	17.5 - 18.5	6.25	0.50 - 1.0	0.20		47	63	145
254SMO	S31254	0.02	1.0	2.0	20.0	17.5 - 18.5	6.25	0.50 - 1.0	0.20		47	63	145
904L	N08904	0.02	1.0	2.0	20.0	23.0 - 28.0	4.5	1.0 - 2.0			35	43	110
Sanicro 28	N08028	0.03	1.0	2.5	27.0	29.5 - 32.5	3.5	0.6 - 1.4			39	53	128
Incoloy 825	N08825	0.05	0.5	1.0	21.5	38.0 - 46.0	3.0	1.5 - 3.0		0.60 - 1.2Ti; 0.20Al	31	36	96
25 - 6MO	N08926	0.02	0.5	2.0	20.5	24.0 - 26.0	6.5	0.5 - 1.5	0.20		48	66	151
GD31MO	N08926	0.02	0.5	2.0	20.0	24.0 - 26.0	6.5	0.7 - 1.5	0.16		46	64	146
SUPA 75	N08926	0.02	0.5	2.0	20.0	24.0 - 26.0	6.5	0.7 - 1.5	0.16		46	64	146
Sanicro 26	N08926	0.02	0.5	2.0	20.0	24.0 - 26.0	6.5	0.7 - 1.5	0.20		47	65	149
AL6XN	N08367	0.03	1.0	2.0	21.0	23.5 - 25.5	6.5	0.75	0.215		49	68	154
20Mo - 6	N08026	0.03	0.5	1.0	24.0	33.0 - 37.0	5.85	2.0 - 4.0			43	64	146
20Mo - 6HS	N08036	0.06	0.5	1.0	24.0	33.0 - 37.0	5.85	1.0 - 3.0	0.285		52	73	163
Sanicro 36Mo	N08936	0.02	0.5	5.0	27.0	34	5.4		0.40		57	80	177
SUPA 80	N08031	0.015	0.3	2.0	27.0	30.0 - 32.0	6.5	1.0 - 1.4	0.20		54	82	180
INC 27 - 7MO	S31277	0.02	0.5	3.0	22.75	26.0 - 28.0	7.25	0.5 - 1.5	0.35		57	82	180
INC 686	N06686	0.01	0.08	0.75	21.0	Bal (55)	16.0			0.02 - 0.25Ti; 3.0 - 4.4 W; 5.0 mx Fe	74	133	272
MP35N	R30035	0.025	0.15	0.15	20.0	33.0 - 37.0	9.75			1.0 Ti; Bal, Co	52	83	182

**NOTE:** Single entry for chemistry element denotes maximum  
 PREN = Cr + 3.3Mo + 30N  
 CPT (°C) = 2.5Cr + 7.6Mo + 31.9N - 41  
 CPT (°F) = (°C x 9/5) + 32

ISO 9001 CERTIFIED

CANADA: 1-800-663-0955

UNITED STATES: 1-800-255-6974