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Nickel Base

Alloy Type	Similar Designation	Condition	Hardness Min.	Ultimate Tensile Strength psi	Yield Strength psi	Elongation % in 1 in.	Remarks	Castability	Resistance to Hot Tearing	Shrinkage	Fluidity
Monel	QQ-N-288-A	As Cast	B _r 125-150	65,000	25,000	25		75	C	C	C
Monel-D (S-Monel)	QQ-N-288-D	As Cast	Br 300 min.	*	*			75	C	C	C
Monel-F	QQ-N-288-F	As Cast		70,000	40,000	10		80	C	C	C
Ni Alloy C (Hastelloy C)	AMS-5388E	Solution Annealed	Hb 96	85,000	50,000	11	Chemical Processing Equipment	70	C	C	C
Ni Alloy C276 (Hastelloy C276)	ASTM-A-494 Gr. CW-12MW	Solution Annealed	Hb 96	85,000	50,000	11	Chemical Processing Equipment	70	C	C	C

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Carbon	Manganese	Silicon	Chromium	Molybdenum	Nickel	Tungsten	Cobalt	Phosphorous	Sulfur	Vanadium	Iron	Copper	Aluminum	Zinc	Titanium	Magnesium	Other
0.35	1.50	2.00			Bal.						2.50	26.0 33.0	0.50				
0.25	1.50	3.5 4.5			Bal.						2.50	27.0 31.0	0.50				
.40 .70	1.50	2.3 3.0			Bal.		1.00					2.50	29.0 34.0				
0.15	1.00	1.00	15.5 17.5	16.0 18.0	Bal.	3.75 5.25	2.50	0.03	0.03	.20 .60	4.50 7.00						
0.12	1.00	1.00	15.5 17.5	16.0 18.0	Bal.	3.75 5.25		0.04	0.03	.20 .40	4.50 7.00						