

## Nickel Monel

		Composition (% maximum except as indicated)																Sand Cast Mechanical Properties				
Copper Alloy Number	Ingot Number		Cu	Sn	Pb	Zn	Fe	Sb	Ni	Si	Al	Mn	P	S	Nb	C	Co	Total Named Elements	Tensile ksi	Yield ksi	Elongation %	Brinell 500 kg Load
M30H	N24030		27.0-33.0				3.50		BAL	2.7-3.7		1.50	0.03	0.02	Report Only	0.30			100	60	10	
M30C	N24130	Similar to E	26.0-33.0		0.01		3.50		BAL	1.0-2.0		1.50	0.03	0.02	1.0-3.0	0.30			65	32.5	25	
M35-2	N04020	Similar to A	26.0-33.0				3.50		BAL	2.00		1.50	0.03	0.02	0.5	0.35			65	30	25	
M25S	N24025		27.0-33.0				3.50		BAL	3.5-4.5		1.50	0.03	0.02	Report Only	0.25						300 (report only)

Spec #	Desc.	Grade	Cu	Sn	Pb	Zn	Fe	Sb	Ni	Si	Al	Mn	P	S	Nb	C	Co	Total Named Elements	Tensile ksi	Yield ksi	Elongation %	Brinell 500 kg Load
QQ-N-288		A	26.0-33.0				2.5		62.0-68.0	2.0		1.5				0.35			65	32.5	25	125-150*
QQ-N-288		B	27.0-33.0				2.5		61.0-68.0	2.7-3.7		1.5				0.30			100	60	10	240-290*
QQ-N-288		C	27.0-31.0				2.5		60.0 min	3.3-4.3		1.5				0.20			120	80	10	250-300*
QQ-N-288		D	27.0-31.0				2.5		60.0 min	3.5-4.5		1.5				0.25					10	300min**
QQ-N-288		E	26.0-33.0				2.5		60.0 min	1.0-2.0		1.5			1.0-3.0	0.30			65	32.5	25	125-150
QQ-N-288		F	29.0-34.0				2.5		Remainder	2.3-3.0		1.5				.40-.70	1.0		70	40	10	

\* Info Only

\*\* for solution treated and age hardened material or as cast and age hardened