

Monel - Nickel-Copper Alloys

		Composition (% maximum except as indicated)										Sand Cast Mechanical Properties Minimum				Pour Temperature [F]	
Copper Alloy Number	Ingot Number	Copper (Cu)	Lead (Pb)	Silicon (Si)	Iron (Fe)	Nickel (Ni)	Manganese (Mn)	Carbon (C)	Phosphorous (P)	Sulfur (S)	Other	Tensile ksi	Yield ksi	Elongation %	Brinell 500 kg Load	Light Castings	Heavy Castings
N24020	M35-2 Monel A	26.0-33.0		2.00	3.50	balance	1.50	0.35	0.03	0.03	0.50 Cb or Nb	65	30	25			
N24025	M35D M25S Monel S	27.0-33.0		3.5-4.5	3.50	balance	1.50	0.25	0.03	0.03	rpt Cb or Nb	check ASTM for typical					
N24030	M30H M35B Monel H	27.0-33.0		2.7-3.7	3.50	balance	1.50	0.30	0.03	0.03	rpt Cb or Nb	100	60	10			
N24130	M30C M35W Monel E	26.0-33.0	0.01	1.0-2.0	3.50	balance	1.50	0.30	0.03	0.03	1.0-3.0 Nb or Cb	65	32.5	25			
N24135	M35-1 Monel	26.0-33.0	0.01	1.25	3.50	balance	1.50	0.35	0.03	0.03	0.05-0.10 Ti 0.5 Nb or Cb	65	25	25			