

Alloys Name	MONEL K-500		
UNS Number	N05500	Density(g/cm ³)	8.44
Chemical Composition (%)	Aluminum 2.3 - 3.15 Carbon 0.25 max Copper 27 - 33 Iron 2 max Manganese 1.5 max Nickel Balance Silicon 0.5 max Sulphur 0.01 max Titanium 0.35 - 0.85		
Mechanical Property(Normal Temperature)			
Condition	Tensile Strength 100psi(Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)
Aged	140-190(970-1310)	110-150(760-1030)	265-346
Specification	Nickelvac K-500(tm) Nicorros Al(tm) Silverin 500(tm) CM K500(tm) AMS 4676 ASTM F467 ASTM F468 DIN 2.4375 MIL N-24549 QQ N286 UNS N05500		
Description/Applications	* Age-hardened version of MONEL alloy 400 for increased strength and hardness. * Pump shaft, doctor blades and scrapers,oil-well drill collars and instruments, electronic components, springs, valve trim, fasteners.		