

Monel K 500 Alloy Balls

General Information

Ni-Cu precipitation hardening alloy, it presents higher hardness and load resistance with respect to Monel 400 alloy but same corrosion resistance. Balls are provided in the passivated state.

Applications

Special Pumps and Valves, they are used in Paper, Chemical, Electronic, Pharmaceutical, Naval, Oil and Gas Industry, Textile industry.

Chemical Composition

C	0.25% Max
Si	0.50% Max
Mn	1.50% Max
S	0.010% Max
Ni	63.00-70.00% Max
Cu	27.00-33.00% Max
Ti	0.35-0.85%
Al	2.30-3.15%
Fe	2.00% Max

Hardness

HRB 75-90

Mechanical Properties

Tensile Strength	920-1020 Mpa
Density	8.42 g/cm ³

Size Range 3/64" - 4" max

Standard Grades Available

28, 40, 100, 200, 500, 1000