

MP35N<sup>®</sup> alloy steel bar is a nickel, chromium, and cobalt alloy. This grade is non-magnetic and possesses an ultra-high tensile strength and provides for good ductility. This alloy has a maximum 750°F temperature capability. In addition, it has excellent corrosion resistance to chloride solutions, mineral acids, and in hydrogen sulfides.

The ability of MP35N<sup>®</sup> to resist stress-corrosion and crevice corrosion often leads to its selection as a fastener material, although its uses also include petrochemical equipment, racing engines and submersibles as well as medical devices and dental equipment. This alloy is typically work-strengthened and aged to obtain strength levels of 260 to 300 ksi.



## **Physical Properties**

Property	Value - Metric	Value - Imperial
Density	8.417 g/cm <sup>3</sup>	0.304 lb/in <sup>3</sup>