



## **Stainless Steel Specifications**

Alloy Family: 420 SS+ Bronze (40% bronze)

UTS: 99 KSI (682 MPa)

Yield: 66 KSI (455 MPa)

Modulus: 21.4 MPSI (147 GPa)

Elongation: 2.30%

Hardness: 20-25 HRc

You can machine it, drill and tap it, weld it, and even RAM or wire EDM it. A machinist evaluated the material as tough enough to need a carbide bits to mill or drill it. There are customers who printed turbine impellers and run them at 3500 rpms for testing purposes.