

Material: 18Ni stainless steel

Model: 18Ni

Form: as Cast

Physical Properties	Metric	Comment
Density	8.0 g/cc	NA
Tensile Strength, Ultimate	515 MPa	NA
Tensile Strength, Yield	205 MPa	NA
Elongation at Break	40 %	NA
Elasticity Modulus	212 GPa	NA
Shear Modulus	--- GPa	NA
CTE, Linear	16.6 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	NA
Thermal Conductivity	16.3 W/m-K	NA
Specific Heat Capacity	0.5 J/g- $^\circ\text{C}$	NA