AISI 420 Stainless Steel Spooled Wire

AISI 420 stainless steel spooled wire offers high hardness and wear resistance, supporting WAAM, cutting tools, surgical instruments, and wire processing research. **SKU:** 1000111167-group
Product Code: FK11-WR-000160

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	>12
Modulus of elasticity(GPa)	200
Tensile strength(MPa)	860

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	55
Temperature coefficient(K?¹)	-

Thermal Properties

Element	Value
Melting point(C)	1450
Specific heat(J K?¹ kg?¹)	460@23°C
Thermal conductivity(W m?¹ K?¹)	24.9@100°C
Coefficient of thermal expansion(x10?? K?¹)	10.3@0-100°C

Physical Properties

Element	Value
Density(gcm?³)	7.8