

Epoxy AISI 302 Stainless Steel Insulated Wire

Formula: Fe/Cr18/Ni 8

Conductor Diameter: 0.1mm

Insulation: Epoxy

Insulation Thickness: 0.01mm

Length: 50m

UOM Code: 151-328-00

SKU: 1000051066-group

Product Code: FE20-SW-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	160-190
Elongation at break(%)	60
Modulus of elasticity(GPa)	190-210
Izod impact strength(J m ⁻¹)	20-136
Tensile strength(MPa)	510-1100

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-72

Thermal Properties

Element	Value
Melting point(C)	1400-1420
Thermal conductivity(W m ⁻¹ K ⁻¹)	16.3@23°C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	15-18@20-100°C

Physical Properties

Element	Value
Density(gcm ⁻³)	7.92