

Evanohm® Coil

Formula: Ni75/Cr20/Al 2.5/Cu 2.5

Temper: Annealed

Thickness: 0.05mm

Coil Width: 111mm

Length: 0.5m

UOM Code: 003-569-36

SKU: 1000000461-group

Product Code: NI17-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	33
Modulus of elasticity(GPa)	221
Izod impact strength(J m ²)	42-100
Tensile strength(MPa)	1210

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	134
Temperature coefficient(K ⁻¹)	0.00001

Thermal Properties

Element	Value
Maximum use temperature in air(C)	300
Melting point(C)	1340-1390
Specific heat(J K ⁻¹ kg ⁻¹)	435@23°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	14.6@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	11.7@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	8.1