

# Evanohm® Foil

**Formula:** Ni75/Cr20/Al 2.5/Cu 2.5

**Temper:** As Rolled

**Thickness:** 0.0025mm

**Length 1:** 25mm

**Length 2:** 25mm

**UOM Code:** 104-261-60

**SKU:** 1000017523-group

**Product Code:** NI17-FL-000110

## Material Properties for Alloys

### Mechanical Properties

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

### Electrical Properties

Element	Value
Electrical resistivity( μOhmcm )	134
Temperature coefficient( K <sup>-1</sup> )	0.00001

### Thermal Properties

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

### Physical Properties

<b>Element</b>	<b>Value</b>
Density( gcm <sup>3</sup> )	8.1