

# Waspaloy® Foil (Light Tight)

**Formula:** Ni58/Cr19/Co14/Mo/Ti/Al/Fe

**Temper:** As Rolled

**Thickness:** 0.025mm

**Length 1:** 150mm

**Length 2:** 150mm

**UOM Code:** 102-758-69

**SKU:** 1000016198-group

**Product Code:** NI15-FL-000150

## Material Properties for Alloys

### Mechanical Properties

Element	Value
Elongation at break( % )	33
Modulus of elasticity( GPa )	221
Izod impact strength( J m <sup>21</sup> )	42-100
Tensile strength( MPa )	550-1210

### Electrical Properties

Element	Value
Electrical resistivity( μOhmcm )	120-130

### Thermal Properties

Element	Value
Melting point( C )	1340-1390
Thermal conductivity( W m <sup>21</sup> K <sup>21</sup> )	10.7@23°C
Coefficient of thermal expansion( x10 <sup>??</sup> K <sup>21</sup> )	11.7@20-100°C

### Physical Properties

Element	Value
Density( gcm <sup>23</sup> )	8.18