

# Waspaloy® Foil

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

**Temper:** Annealed

**Thickness:** 0.25mm

**Length 1:** 100mm

**Length 2:** 100mm

**UOM Code:** 558-637-81

**SKU:** 1000160119-group

**Product Code:** NI15-FL-000100

## 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>22</sup> K <sup>21</sup> )	11.7@20-100°C

### Physical Properties

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