

# Haynes® 230 Foil

**Formula:** Ni62/Cr22/W 14/Mo 2

**Thickness:** 1mm

**Length 1:** 100mm

**Length 2:** 100mm

**UOM Code:** 536-726-55

**SKU:** 1000141372-group

**Product Code:** NE05-FL-000160

## Material Properties for Alloys

### Mechanical Properties

Element	Value
Elongation at break( % )	50
Modulus of elasticity( GPa )	211
Tensile strength( MPa )	860

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	125
Temperature coefficient( $\text{K}^{-1}$ )	-

### Thermal Properties

Element	Value
Melting point( C )	1300-1370
Specific heat( $\text{J K}^{-1} \text{kg}^{-1}$ )	397@23°C
Thermal conductivity( $\text{W m}^{-1} \text{K}^{-1}$ )	8.9@23°C
Coefficient of thermal expansion( $\times 10^{-6} \text{K}^{-1}$ )	13@25-200°C

### Physical Properties

Element	Value
Density( $\text{gcm}^{-3}$ )	8.97