

Iron/Chromium/Molybdenum Alloy Foil (Light Tight) (Fe90/Cr 9/Mo 1)

Formula: Fe90/Cr 9/Mo 1

Temper: As Rolled

Thickness: 0.004mm

Length 1: 10mm

Length 2: 10mm

UOM Code: 481-540-17

SKU: 1000092715-group

Product Code: FE01-FL-000110

Material Properties for Alloys

Electrical Properties

| Element | Value |
|---|-------|
| Electrical resistivity(μOhmcm) | 49.9 |

Physical Properties

| Element | Value |
|---------------------------|-------|
| Density(gcm^3) | 7.78 |

Mechanical Properties

| Element | Value |
|-------------------------|-------|
| Shear strength(MPa) | 410 |
| Tensile strength(MPa) | 590 |

Thermal Properties

| Element | Value |
|--|---------------|
| Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$) | 26@23°C |
| Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$) | 11.3@25-100°C |