

# Permendur® 49 Foil

**Formula:** Co<sub>49</sub>/Fe<sub>49</sub>/V 2

**Temper:** As Rolled

**Thickness:** 0.25mm

**Length 1:** 50mm

**Length 2:** 50mm

**UOM Code:** 038-839-45

**SKU:** 1000005235-group

**Product Code:** CO15-SH-000125

## Material Properties for Alloys

### Mechanical Properties

Element	Value
Elongation at break( % )	6

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	40

### Magnetic Properties

Element	Value
Curie temperature( C )	940
Saturation flux density( T )	2.34

### Physical Properties

Element	Value
Density( $\text{gcm}^3$ )	8.15

### Thermal Properties

Element	Value
Coefficient of thermal expansion( $\times 10^{-6} \text{K}^{-1}$ )	9.5@20°C