

# Permendur® 49 Rod

**Formula:** Co49/Fe49/V 2

**Diameter:** 61mm

**Length:** 100mm

**Production Method:** Hot Rolled (Black)

**UOM Code:** 024-016-69

**SKU:** 1000002844-group

**Product Code:** CO15-RD-000160

## 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