

# Copper/Chromium/Zirconium Alloy Rod (Cu98.9/Cr 1.0/Zr 0.1)

**Formula:** Cu98.9/Cr 1.0/Zr 0.1

**Diameter:** 6mm

**Length:** 10mm

**UOM Code:** 143-434-12

**SKU:** 1000045692-group

**Product Code:** CY25-RD-000106

## Material Properties for Alloys

### Mechanical Properties

Element	Value
Hardness - Brinell	130-170
Elongation at break( % )	20
Hardness - Vickers( kgf mm <sup>2</sup> )	140-180
Tensile strength( MPa )	450-600

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	45293
Temperature coefficient( K <sup>-1</sup> )	-

### Thermal Properties

Element	Value
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	320@23°C