

# Gold/Tin Alloy Rod (Au80/Sn20)

**Formula:** Au80/Sn20

**Diameter:** 3mm

**Length:** 100mm

**UOM Code:** 520-470-16

**SKU:** 1000034593-group

**Product Code:** AU06-RD-000120

## Material Properties for Precious Metals

### Thermal Properties

Element	Value
Melting point( C )	280
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	57@23°C
Coefficient of thermal expansion( x10 <sup>-6</sup> K <sup>-1</sup> )	16@20-100°C

### Mechanical Properties

Element	Value
Shear strength( MPa )	270-280
Tensile strength( MPa )	270-280