

# Hastelloy® B-3 Rod

**Formula:** Ni65/Mo28.5/Cr 1.5/Fe 1.5/(Co + Mn + W ) 3.5max

**Diameter:** 5.5mm

**Length:** 1000mm

**Temper:** Annealed

**UOM Code:** 370-277-17

**SKU:** 1000152635-group

**Product Code:** NK25-RD-000110

## Material Properties for Alloys

### Mechanical Properties

Element	Value
Elongation at break( % )	53
Modulus of elasticity( GPa )	216
Tensile strength( MPa )	1000-1200

### Thermal Properties

Element	Value
Maximum use temperature in air( C )	400
Melting point( C )	1418
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	11.2@23°C
Coefficient of thermal expansion( x10 <sup>-6</sup> K <sup>-1</sup> )	10.6@20-100°C

### Physical Properties

Element	Value
Density( gcm <sup>3</sup> )	9.22