

# Brass Powder (Cu70/Zn30)

**Formula:** Cu70/Zn30

**Maximum Particle Size:** 100 $\mu$ m

**Weight:** 5000g

**Production Method:** Atomised

**UOM Code:** 116-928-86

**SKU:** 1000028743-group

**Product Code:** CU08-PD-000111

## Material Properties for Alloys

### Mechanical Properties

Element	Value
Hardness - Brinell	65-160
Elongation at break( % )	65
Modulus of elasticity( GPa )	100-115
Izod impact strength( J m <sup>2</sup> )	50-90
Shear strength( MPa )	200-400
Tensile strength( MPa )	300-700

### Electrical Properties

Element	Value
Electrical resistivity( $\mu$ Ohmcm )	6.2-7.8
Temperature coefficient( K <sup>-1</sup> )	0.0012-0.0016

### Thermal Properties

Element	Value
Melting point( C )	910-965
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	109-121@23°C
Coefficient of thermal expansion( x10 <sup>-6</sup> K <sup>-1</sup> )	19-20@20-100°C

### Physical Properties

Element	Value
---------	-------

Density( gcm<sup>3</sup> ) 8.55