

# Sodium Sticks

**Formula:** Na

**Product Shape:** Sticks

**Maximum Lump Size:** 200mm

**Weight:** 1g

**CAS Number:** 7440-23-5

**UOM Code:** 106-079-19

**SKU:** 1000019120-group

**Product Code:** NA00-LP-000100

## Material Properties for Metals

### Atomic Properties

Element	Value
Atomic number	11
Crystal structure	Body centred cubic
Electronic structure	Ne 3s <sup>1</sup>
Valences shown	1
Atomic weight( amu )	22.99
Thermal neutron absorption cross-section( Barns )	0.54
Photo-electric work function( eV )	212
Atomic radius - Goldschmidt( nm )	0.192
Ionisation potential( No./eV )	4/ 98.91
Ionisation potential( No./eV )	5/ 138.39
Ionisation potential( No./eV )	3/ 71.64
Ionisation potential( No./eV )	1/ 5.14
Ionisation potential( No./eV )	6/ 172.15
Ionisation potential( No./eV )	2/ 47.30

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	4.9@27@27°C
Temperature coefficient( K <sup>-1</sup> )	0.0055@0-100°C

## Physical Properties

Element	Value
Boiling point( C )	883
Density( gcm <sup>3</sup> )	0.97@20°C

## Thermal Properties

Element	Value
Melting point( C )	97.8
Latent heat of evaporation( J g <sup>-1</sup> )	4260
Latent heat of fusion( J g <sup>-1</sup> )	113
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	128@0-100°C
Coefficient of thermal expansion( x10 <sup>-6</sup> K <sup>-1</sup> )	71@0-100°C