Sodium Sticks

Sodium sticks: reactive metallic sodium for reducing agents, thermal transfer, reactor coolants, and synthesis of sodium compounds; used in chemistry, materials processing, and energy studies. **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 3s¹
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(µOhmcm)	4.9@27°C
Temperature coefficient(K?¹)	0.0055@0-100°C

Physical Properties

Element	Value
Boiling point(C)	883
Density(gcm?³)	0.97@20°C

Thermal Properties

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