

Caesium Pellets

Formula: Cs

Percentage Purity: 99.9%

Maximum Lump Size: 5mm

Weight: 5g

Melting Point: 28.5°C

CAS Number: 7440-46-2

UOM Code: 139-691-98

SKU: 1000042923-group

Product Code: CS00-LP-000100

Material Properties for Metals

Atomic Properties

Element	Value
Atomic number	55
Crystal structure	Body centred cubic
Electronic structure	Xe 6s ¹
Valences shown	1
Atomic weight(amu)	133
Thermal neutron absorption cross-section(Barns)	29
Photo-electric work function(eV)	2.14
Atomic radius - Goldschmidt(nm)	0.27
Ionisation potential(No./eV)	1/ 3.89
Ionisation potential(No./eV)	2/ 25.10

Mechanical Properties

Element	Value
Hardness - Mohs	0.2
Material condition	Polycrystalline

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	20@20@20°C

Element	Value
Temperature coefficient(K ⁻¹)	0.0044@0-100°C

Physical Properties

Element	Value
Boiling point(C)	705
Density(gcm ⁻³)	1.9@20°C

Thermal Properties

Element	Value
Melting point(C)	28.5
Latent heat of evaporation(J g ⁻¹)	611
Latent heat of fusion(J g ⁻¹)	15.78
Specific heat(J K ⁻¹ kg ⁻¹)	230@25°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	97@1-26°C