

Periodic Table of Elements

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Einsteinium

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The most famous scientist of all time, Albert Einstein, obviously deserves to have an element named after him. Unfortunately his has a half-life of 472 days and no known applications.

01. OVERVIEW



Symbol	Es
Atomic number	99
Atomic weight	252
Density	N/A
Melting point	860 °C
Boiling point	N/A

02. THERMAL PROPERTIES



Phase	Solid
Melting point	860 °C
Boiling point	N/A
Absolute melting point	1133 K
Absolute boiling point	N/A
Critical pressure	N/A
Critical temperature	N/A
Heat of fusion	N/A
Heat of vaporization	N/A
Heat of combustion	N/A
Specific heat	N/A
Adiabatic index	N/A
Neel point	N/A
Thermal conductivity	N/A
Thermal expansion	N/A

03. PHYSICAL PROPERTIES



Density	N/A
Density (liquid)	N/A
Molar volume	N/A
Molar mass	252 u
Brinell hardness	N/A
Mohs hardness	N/A
Vickers hardness	N/A
Bulk modulus	N/A
Shear modulus	N/A
Young modulus	N/A
Poisson ratio	N/A
Refractive index	N/A
Speed of sound	N/A
Thermal conductivity	N/A
Thermal expansion	N/A

04. REACTIVITY



Valence	4
Electronegativity	1.3
Electron affinity	N/A
Ionization energies	619 kJ/mol

05. SAFETY



Autoignition point	N/A
Flashpoint	N/A
Heat of combustion	N/A

06. CLASSIFICATIONS



Alternate names	N/A
Names of allotropes	N/A
Block, Group, Period	f, N/A, 7
Electron configuration	[Rn]5f ¹¹ 7s ²
Color	N/A
Discovery	1952 in United States
Gas phase	N/A

07. ELECTRICAL PROPERTIES



Electrical type	N/A
Electrical conductivity	N/A
Resistivity	N/A
Superconducting point	N/A

08. MAGNETIC PROPERTIES



Magnetic type	N/A
Curie point	N/A
Mass magnetic susceptibility	N/A
Molar magnetic susceptibility	N/A
Volume magnetic susceptibility	N/A

09. ABUNDANCES



In universe	N/A
In sun	N/A
In meteorites	N/A
In earth's crust	N/A
In oceans	N/A
In humans	N/A

10. ATOMIC DIMENSIONS AND STRUCTURE



Atomic radius	N/A
Covalent radius	N/A
Van der Waals radius	N/A
Crystal structure	N/A
Lattice angles	N/A
Lattice constants	N/A
Space group name	N/A
Space group number	N/A

11. NUCLEAR PROPERTIES



Half-Life	1.2922 years
Lifetime	1.865 years
Decay mode	Alpha emission
Quantum numbers	$^5I_{15/2}$
Neutron cross section	160
Neutron mass absorption	N/A
Known Isotopes	^{240}Es , ^{241}Es , ^{242}Es , ^{243}Es , ^{244}Es , ^{245}Es , ^{246}Es , ^{247}Es , ^{248}Es , ^{249}Es , ^{250}Es , ^{251}Es , ^{252}Es , ^{253}Es , ^{254}Es , ^{255}Es , ^{256}Es , ^{257}Es , ^{258}Es
Stable Isotopes	N/A
Isotopic Abundances	N/A