

Product Information

Specifications

Plutonium-242

Half-Life/Daughter

3.75 x 10⁵ years to uranium-238

Decay

[Decay Radiation Information \(NNDC\)](#)

Chemical Form

Oxide powder; nitrate or chloride solid

Radioisotopic Purity

>99.9 wt% Pu-242, <0.1% other Pu isotopes

Radionuclide Purity

>99% by weight

Production Route

Neutron capture

Processing

Electromagnetic separation

Primary Container

Glass screw cap bottle in nonreturnable container

Availability

Stock

Unit of Sale

Milligrams

Other Information

Classed as a nuclear material requiring documentation of transfer (DOE/NRC Form 741)