

# Product Information

## Specifications

## Neptunium-237 Fission Monitors

**Half-Life/Daughter**

2.144 x 10<sup>6</sup> years to protactinium-233

**Decay**

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

**Chemical Form**

Ceramic oxide wire encapsulated in high purity vanadium capsules

**Available Specific Activity**

~25.9 MBq/g (~0.7 mCi/g)

**Radioisotopic Purity**

>99%

**Radionuclide Purity**

<40 ppm fissionable atoms

**Production Route**

Chemical processing and source production

**Processing**

Extruded oxide wire encapsulated in high purity vanadium capsules

**Primary Container**

Glass bottle

**Availability**

Special order

**Unit of Sale**

Batch Price (50 Fission Monitors per batch)

## Other Information

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