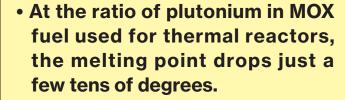
Effect of Plutonium on Fuel Properties

[Melting point]

Drops as plutonium mixing ratio increases.



• The drop in heat conduction is also slight.

[Heat conductivity]

Drops as plutonium mixing ratio increases.

 There is plenty of margin between the melting point and actual pellet temperatures.

[Gas release rate]

The proportion of gas from nuclear fission that builds up in the cladding tubes increases somewhat.



 Increases the volume of space (gas reservoir) between fuel rods and inhibits an increase in internal pressure.