Physical Properties of the Six Plutonium Allotropes						
Phase	**Crystal Lattice**	**Number of Atoms Per Unit Cell**	**Transition to Next Higher Phase, °C**	**Density gm/cm^3**	**Coeff. of Thermal Expansion x 10^{-6} per °C**	**Volume Change on Transformation, %**
Alpha	Monoclinic	16	112	19.8	46.4	α->β, 8.9
Beta	Body centered Monoclinic	34	185	17.65	38.4	β-> γ, 2.4
Gamma	Face centered Othorhombic	8	316	17.2	34.7 (a=-19.7) (b= 39.5) (c = 83.4)	γ ->δ, 6.7
Delta	fcc	4	451	15.9	-8.8	δ->δ', -0.4
Delta Prime	body centered tetragonal	2	480	16.0	-116, (a=305) (c= -659)	δ'-> ε - 3.0
Epsilon	bcc	2	640	16.51	+36.5	