BULK AND TAP DENSITIES OF PLUTONIUM OXIDE PREPARED IN SEVERAL DIFFERENT WAYS

Starting Material	Decomposition Temperature	Bulk Density g/cc	Tap Density g/cc
Pu Nitrate	240°C	1.7	2.1
"	400	1.9	2.4
"	600	1.7	1.8
"	800	2.9	3.6
"	1000	--	--
Pu Peroxide	240°C	3.5	4.1
"	400	3.8	4.3
"	600	3.9	4.4
"	800	4.5	4.8
"	1000	4.9	5.8
Pu(IV) Oxalate	240°C	1.0	1.4
"	400	1.1	1.5
"	600	1.2	1.5
"	800	1.4	1.7
"	1000	1.7	2.3
Pu Hydroxide	240°C *	2.9	3.2
"	400 *	3.7	4.2
"	600 *	3.5	4.0
"	800	3.2	3.7
"	1000	3.8	4.2
Pu Metal	Unknown	4.8	5.3

*Average of two or more measurements. Other data are single measurements. RFP-503.