

**Pin cells**

<b>UOX fuel</b>	
diam.	0.5780 cm
temp.	294.0 K
nuclide	N (#/b/cm <sup>2</sup> )
U-235	$1.7670 \times 10^{-4}$
U-238	$2.4364 \times 10^{-2}$
O-16	$4.9082 \times 10^{-2}$

**PuO<sub>2</sub> fuel**

diam.	0.5780 cm
temp.	294.0 K
nuclide	N (#/b/cm <sup>2</sup> )
Pu-239	$1.2747 \times 10^{-2}$
Pu-240	$7.6481 \times 10^{-3}$
Pu-241	$5.0987 \times 10^{-3}$
O-16	$5.0987 \times 10^{-2}$

**Annular cells**

<b>UOX coolant</b>	
pitch	0.9536 cm
temp.	294.0 K
nuclide	N (#/b/cm <sup>2</sup> )
Na-23	$1.0380 \times 10^{-2}$
Cr-52	$4.9730 \times 10^{-3}$
Fe-56	$1.7280 \times 10^{-2}$
Ni-58	$3.6270 \times 10^{-3}$

**PuO<sub>2</sub> coolant**

pitch	0.9536 cm
temp.	294.0 K
nuclide	N (#/b/cm <sup>2</sup> )
Na-23	$1.0380 \times 10^{-2}$
Cr-52	$4.9730 \times 10^{-3}$
Fe-56	$1.7280 \times 10^{-2}$
Ni-58	$3.6270 \times 10^{-3}$