

Graphite cladding

Each pebble containing the fuel particles has a pyrolytic graphite cladding. It is the basic fuel assembly for the HTGR reactors.

Coated particles

Approximately 20,000 particles are freely dispersed in a single graphite fuel pebble.

Fuel particle's cladding

Several layers of graphite and silicone carbide are used to coat the fuel particles.

Fuel particle

Highly enriched uranium in the form of uranium oxide UO_2 and enriched with ^{235}U isotope up to 93%.

