Tungsten Alloy

Nuclear and Fusion Reactor

T&D Materials manufactures and supplies the best tungsten alloy nuclear and fusion reactor. T&D understands the necessity of precision for these applications and ensures the highest quality.

What is Nuclear Reactor/ Fusion Reactors?

Although nuclear reactors are often thought of as being solely a product of modern technology, the first nuclear fission reactors were in fact naturally occurring. A natural nuclear fission reactor can occur under certain circumstances that mimic the conditions in a constructed reactor.

Nuclear fusion is the process by which multiple like-charged atomic nuclei join together to form a heavier nucleus. It is accompanied by the release or absorption of energy, which allows matter to enter a plasma state.

Tungsten Alloy Nuclear Reactor

The natural nuclear reactors formed when a uranium-rich mineral deposit became inundated with groundwater that acted as a neutron moderator, and a strong chain reaction took place. The water moderator would boil away as the reaction increased, slowing it back down again and preventing a meltdown. The fission reaction was sustained for hundreds of thousands of years.

Owning to the excellent property of avoiding radiation, tungsten alloy is increasingly adopted in the facility of nuclear reactors, that is tungsten alloy nuclear reactor.