

TERBIUMOXID (Tb₂O₃)



This rare earth is a real all-rounder. It is mainly used as a phosphor in fluorescent lamps and screens. Like dysprosium oxide, it can also protect magnets from demagnetization. Last but not least, terbium oxide is also used in semiconductor technology.

The production of terbium oxide in an industrial use Baren degree of purity is very expensive. Since it only occurs naturally in compounds, mostly with yttrium, it must first be isolated. It is then first converted to terbium fluoride with hydrogen fluoride and only then reduced to terbium with calcium. Due to the rare implementation of these processes, terbium oxide is one of the scarcest rare earths.

MAIN APPLICATIONS

- Semiconductor
- Fluorescent in Led tubes
- Coating of data memories
- Micro magnets

Flow Rate and Annual world Production

