

NEODYMOXID (Nd₂O₃)



This powder, which is blue in oxide form, is one of the main components of neodymium iron boron magnets. These are among the strongest permanent magnets currently available and are installed in wind turbines, among other things. Since the expansion of wind energy is progressing rapidly, the demand for neodymium oxide is also increasing.

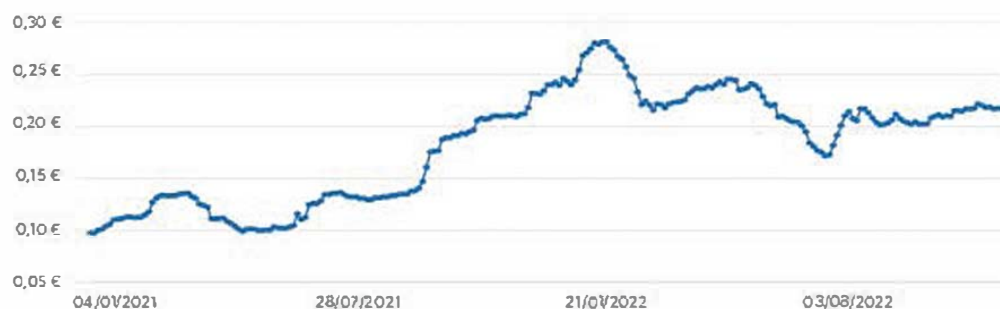
Neodymium oxide is found throughout the earth's crust. In China and Malaysia it is extracted from bastnaesite and monazite ores. The largest deposits are currently located in China, Australia, the CIS countries and Brazil.

GROWTH MARKETS

- High performance magnets
- Colorants for enamel and porcelain
- UV-absorbing glasses
- Laser technology
- Permanent magnets

Price Development and annual World Production

price development
in €/g



The neodymium oxide price has increased by 116.1 percent from 01/01/2021 to 01/31/2023.



World annual production:

approx. 43,000 tons

According to a study by Euromet.aux, the amount of neodymium oxide required worldwide in 2050 will be 66% higher than in 2020. How the production is supposed to do that is uncertain.