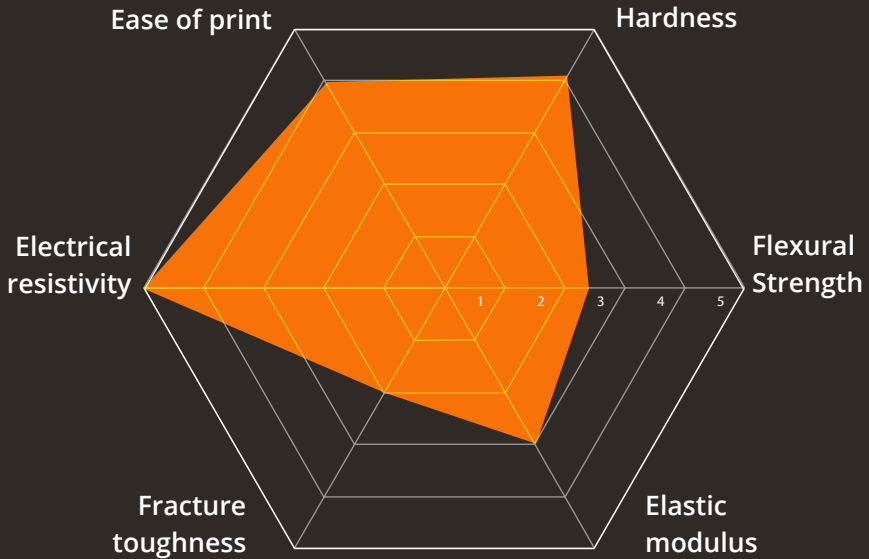


# Al<sub>2</sub>O<sub>3</sub>

## Aluminum oxide



Alumina or aluminum oxide is a chemical compound of aluminium and oxygen with the chemical formula Al<sub>2</sub>O<sub>3</sub>. Is the most well-known oxide ceramic material. Aluminum oxide is an electrical insulator and has a relatively high thermal conductivity (30 Wm<sup>-1</sup>K<sup>-1</sup>). Due to its relatively high hardness, it is used as an abrasive and a component in cutting tools.

Applications: Medical industry, Defence, Electrical and electronics industry, Gem industry, Industrial applications, etc.

Density: 3.89 g/cm<sup>3</sup>

Max T° of use: 1 400°C