



# 7 things to know about technical ceramics



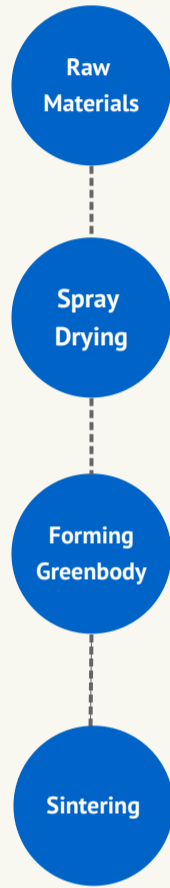
**1** Technical Ceramics or also called Advanced or Engineered Ceramics, are inorganic materials, such oxides, nitrides, carbides characterized by high purity thus with an even structure. with good mechanical properties at a very high sintering temperature.

**2** The technical ceramics sector is 10.9 bn USD market with 5% CAGR (2023- 2027).

## Trends & Drivers

- Increasing demand for Electroceramics
- Increasing expenditure in defense industry
- Sustainable furnaces & processes
- Innovative batteries

## 3 Processing



## 4 What determines particle morphology

- ✓ Spray dryer parameters
- ✓ Solid loading
- ✓ Rheology of the slurry
- ✓ Binders and plasticizers

## 5 8 Biggest Players



## 6 Additives for Technical Ceramics

The market of additives for Technical Ceramics is growing at even stronger pace, CAGR 10% 2022-26.

### Key companies

- Krahn Ceramics
- Zschimmer & Schwarz
- Admatec
- J. M.

## 7 Chemical structure

