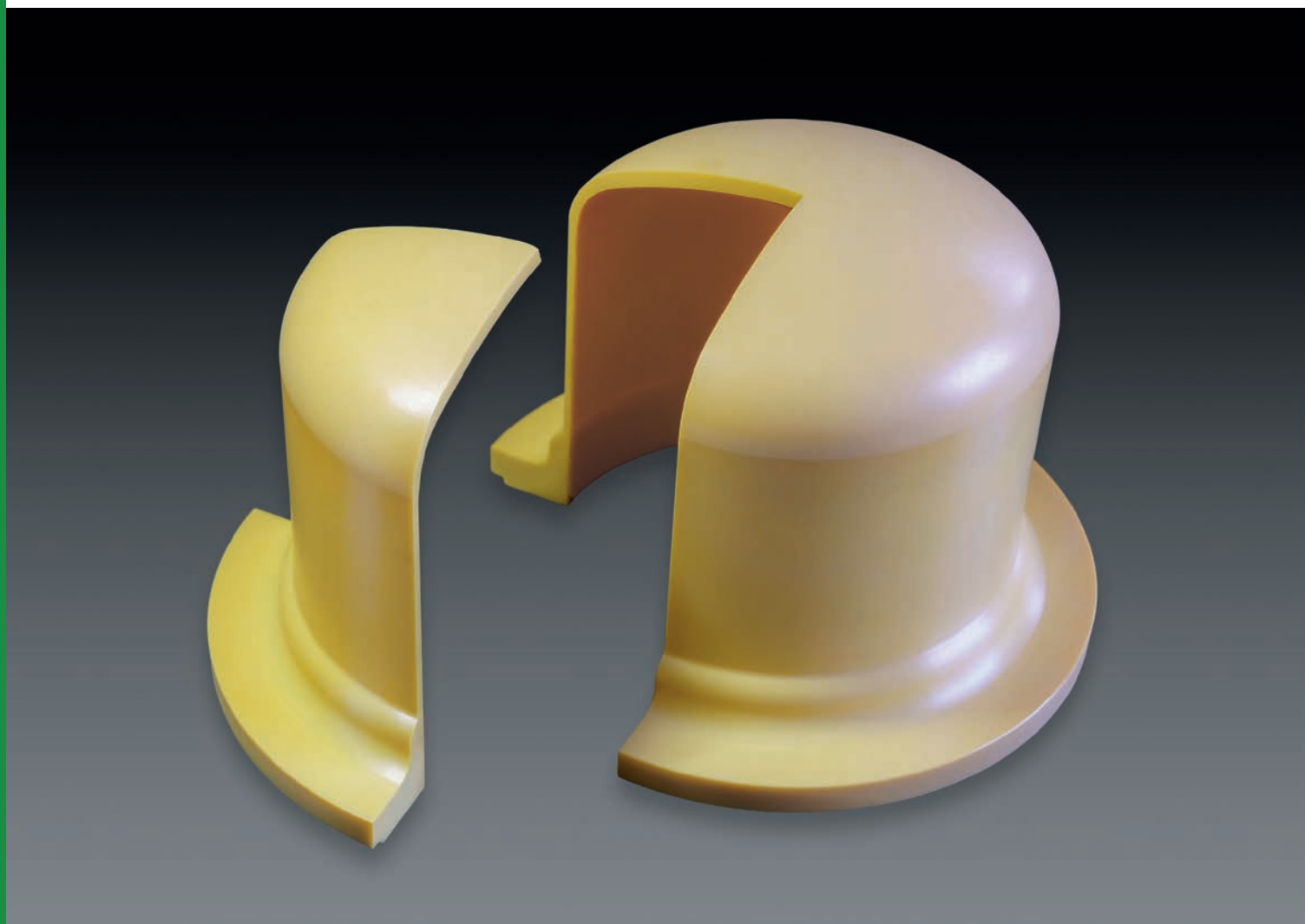
Rauschert
Your Challenge.
Our Technology.

CERAMIC CONTAINMENT SHELLS
OPTIMIZE MAGNETIC DRIVE PUMPS

- Non-magnetic component, no eddy currents
- High energy efficiency compared to other materials
- Corrosion resistance against most aggressive chemicals
- High mechanical strength at high temperatures

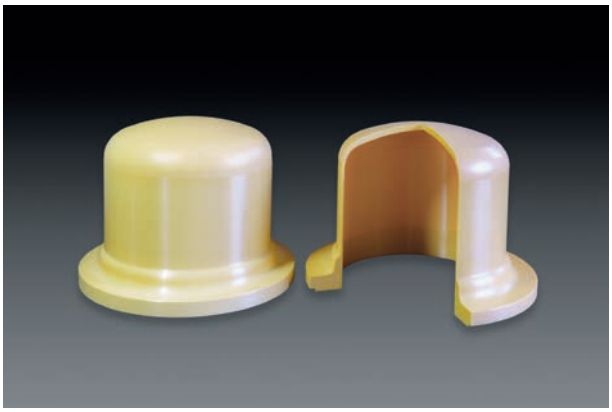


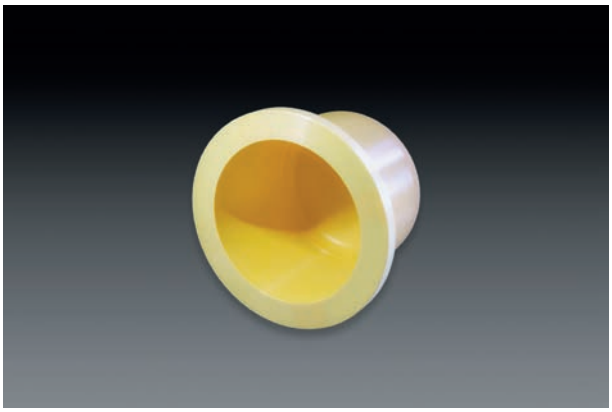
CONTAINMENT SHELLS ZIRCONIA M

ONE MATERIAL FOR MOST REQUIREMENTS

Rauschert containment shells for magnetic drive pumps are made of Rauschert Zirconia M, a high performance ceramic with the following advantages:

- **High power transfer** – Non-magnetic, non-electrically conductive material reduces drive power requirements up to 15%
- **High mechanical strength up to 450°C (842°F)** – Test pressure up to 90 bar (1300 psi) possible depending on containment shell design
- **High thermal shock resistance** – Resistant to sudden increases or decreases in temperature
- **Extreme chemical resistance** – Allows long-term use of pump with aggressive media. Various coatings available
- **Leakfree and environmentally-friendly coupling** – No connection between pump and drive ensures no release of corrosive or toxic fluid or gases into environment
- **Thermal expansion** – Zirconia M has a thermal expansion similar to steel, making it well-suited for integration and comparison with steel in pumps





DO YOU HAVE A CHALLENGE?
YOUR CHALLENGE IS OUR DRIVE – CONTACT US

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