



Belvac – Ceramic Materials

ZIRCONIA CERAMIC MATERIALS

Belvac's Zirconia Ceramics have many distinctive advantages over other tooling materials.

Belvac Zirconia ceramic materials provide excellent corrosion resistance, outstanding toughness, excellent strength, and superior abrasion and cavitation resistance.

MAGNESIA STABILIZED ZIRCONIA (MGPSZ)

Magnesia stabilized zirconia, or MgPSZ has unprecedented fracture toughness, which makes it durable, reliable, and ideal for machining into complex shapes with tight tolerances.

YTTRIA TETRAGONAL ZIRCONIA POLYCRYSTAL (YTZP)

Yttria tetragonal zirconia polycrystal or YTZP is often specified for demanding applications that require a strong, hard material with a near-flawless microstructure.