

### Grain Size Distribution

009	< 50 μm
033	-63 +16 μm
036	-90 +45 μm
039	-106 +45 μm
041	-125 +36/45 μm
160	-63 +15 μm

Other grain sizes on request

### Chemical Composition

ZrO <sub>2</sub>	base
Y <sub>2</sub> O <sub>3</sub>	6.5 – 8.5
HfO <sub>2</sub>	< 2 %
SiO <sub>2</sub>	< 0.1 %
Al <sub>2</sub> O <sub>3</sub>	< 0.1 %
Fe <sub>2</sub> O <sub>3</sub>	< 0.1 %
MgO	< 0.1 %
CaO	< 0.1 %
TiO <sub>2</sub>	< 0.1 %

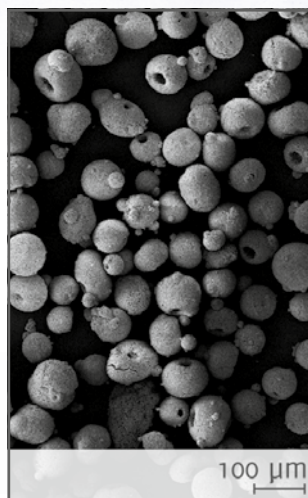
These properties are typical but do not constitute specifications

### Coating Properties

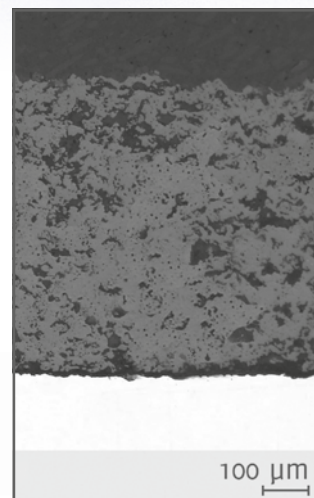
- Hardness: ~ 1400 HV<sub>0.3</sub>
- Max. Application Temperature: 1300 °C

### Property Profile (Coating)

- Thermal barrier
- High wear resistance
- Thermal shock resistance



Micro section



Micro section

