

Grain Size Distribution

| | |
|-----|----------------|
| 033 | -63 +16 µm |
| 039 | -106 +45 µm |
| 041 | -125 +36/45 µm |

Other grain sizes on request

Chemical Composition

| | |
|--------------------------------|-------------|
| ZrO ₂ | base |
| Y ₂ O ₃ | 7.0 – 8.5 % |
| HfO ₂ | < 2.0 % |
| SiO ₂ | < 0.03 % |
| Al ₂ O ₃ | < 0.05 % |
| Fe ₂ O ₃ | < 0.05 % |
| MgO | < 0.03 % |
| CaO | < 0.03 % |
| TiO ₂ | < 0.03 % |
| U+Th | < 0.02 % |
| TAO | < 0.5 % |

These properties are typical but do not constitute specifications

Coating Properties

- Hardness: ~ 1400 HV_{0.3}
- Max. Application Temperature: 1300 °C

Property Profile (Coating)

- Thermal barrier
- High wear resistance
- Thermal shock resistance