

Property Profile ZrO_2/Y_2O_3 - TBC-Coating

- High purity
- Very low x-ray content
- Color: white

Product Number:

IKH 14504

Grain Size Distribution

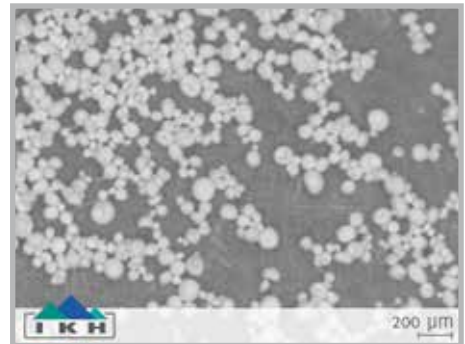
Grain Size	Distribution
37	-125 +45 μm

*other grainsizes on request



Coating Properties

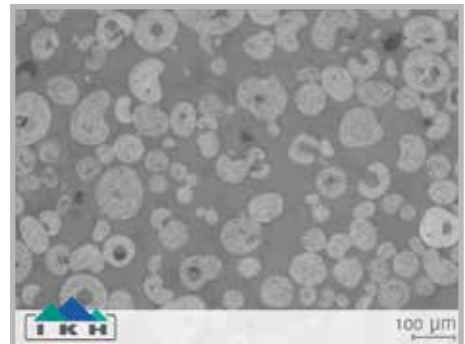
Bulk Density about 1,8g/cm₃
 Monoclinic Content < 2%
 Applicable up to 1.300 °C



Powder overview

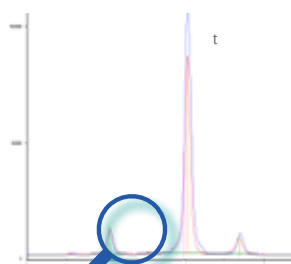
Spray Parameters

Plasmagenerator	F4
Injector / Angel	90° / 6,5 mm
Plasma Gas Ar (SLPM)	35
Plasma Gas H ₂ (SLPM)	12
Current (A)	600
Spray Distance (mm)	150



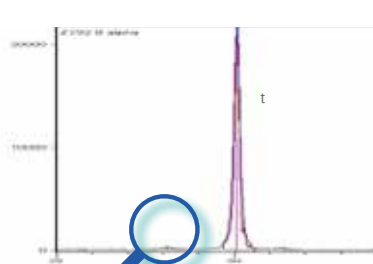
Powder section

HOSP Quality

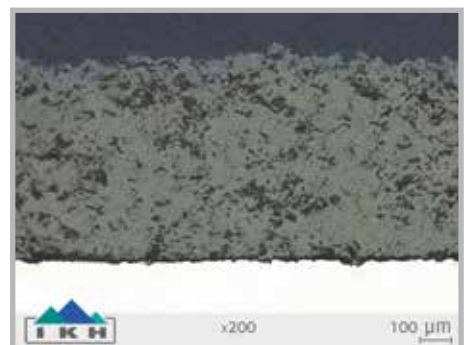


High Monoclinic
Content 11-7%

Melt Consistency



Low Monoclinic
Content < 1%



Porosity about 18%