

Property Profile ZrO₂/Y₂O₃ - Coating

- High wear resistance
- Thermal shock resistance
- Thermal barrier

Product Number:

IKH 14004

Grain Size Distribution

Grain Size	Distribution
37	-125 +45 μm
36	-106 +45 μm
20	-90 +45 μm
19	-63 +16 μm

*other grainsizes on request

Typical Chemical Composition

ZrO ₂ + HfO	base
SiO ₂	< 0,1 %
TiO ₂	< 0,1 %
Fe ₂ O ₃	< 0,1 %
MgO	< 0,1 %
CaO	< 0,1 %
Y ₂ O ₃	~ 7,5 %

Coating Properties

Hardness: approx. 1400 HV 0,3
 Applicable up to 1.300 °C

Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	40
Plasma Gas H ₂ (SLPM)	10
Current (A)	580
Spray Distance (mm)	120

