

## Property Profile ZrO<sub>2</sub>/SiO<sub>2</sub> 67/33 - Coating

- High wear resistance
- Thermal shock resistance
- Refractory
- Excellent dielectric properties

Product Number:

**IKH 13001**

## Grain Size Distribution

Grain Size	Distribution
37	-125 +45 μm
36	-106 +45 μm
20	-90 +45 μm
19	-63 +16 μm
16	-45 +22 μm
07	-25 +5 μm

\*other grainsizes on request



## Typical Chemical Composition

ZrO <sub>2</sub>	base
SiO <sub>2</sub>	~ 33,0%
TiO <sub>2</sub>	< 0,2 %
Fe <sub>2</sub> O <sub>3</sub>	< 0,1 %
MgO	< 0,1 %
CaO	< 0,1 %
Al <sub>2</sub> O <sub>3</sub>	< 0,5 %



## Coating Properties

Hardness: approx. 1000 HV 0,3  
 Applicable up to 1.500 °C

## Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	42
Plasma Gas H <sub>2</sub> (SLPM)	10
Current (A)	600
Spray Distance (mm)	120

