

## Property Profile TiO<sub>2</sub> - Coating

- High wear resistance
- Chemically inert
- Semi-conductive properties
- Rotary sputter targets

Product Number:

**IKH 9001**

## Grain Size Distribution

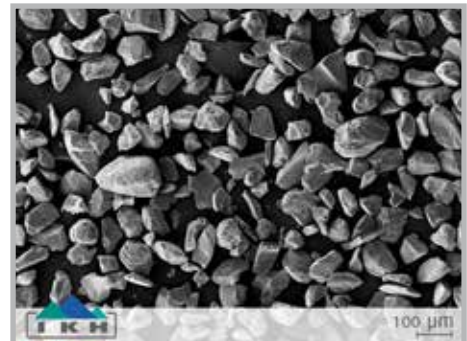
Grain Size	Distribution
20	-90 +45 μm
19	-63 +16 μm
16	-45 +22 μm
14	-45 +5 μm
08	-30 +5 μm
07	-25 +5 μm

\*other grainsizes on request



## Typical Chemical Composition

SiO <sub>2</sub>	< 0,1 %
TiO <sub>2</sub>	base
Fe <sub>2</sub> O <sub>3</sub>	< 0,1 %
MgO	< 0,1 %
CaO	< 0,1 %



## Coating Properties

Hardness: approx. 600 HV 0,3

Applicable up to 500 °C

Melting Point: approx. 1.840 °C

## Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	45
Plasma Gas H <sub>2</sub> (SLPM)	12
Current (A)	600
Spray Distance (mm)	120

