

IKH 8001

$\text{Cr}_2\text{O}_3/\text{SiO}_2/\text{TiO}_2$ 92/5/3 fused

Grain Size Distribution

017	-25 +5 μm
019	-30 +5 μm
027	-45 +5 μm
029	-45 +15 μm
030	-45 +22 μm

Other grain sizes on request

Chemical Composition

Cr_2O_3	base
SiO_2	4 - 6 %
TiO_2	2 - 4 %
Al_2O_3	< 0.2 %
Fe_2O_3	< 0.2 %
MgO	< 0.1 %
CaO	< 0.1 %

These properties are typical but do not constitute specifications

Coating Properties

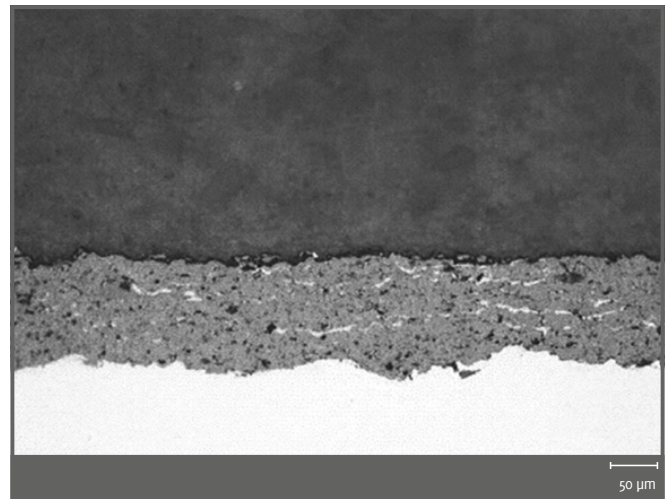
- Hardness: ~ 900HV_{0.3}
- Max. Application Temperature: 500 °C
- Melting Point: ~ 1900 °C – 2200 °C

Property Profile (Coating)

- Wear resistance
- Electrically insulating
- Chemical resistance



Micro section



Micro section

